

RESTRICTED

AN 02-105AB-4

Parts Catalog

TURBO JET ENGINES

TYPE I-16-6

PUBLISHED UNDER JOINT AUTHORITY OF THE COMMANDING GENERAL,
ARMY AIR FORCES, THE CHIEF OF THE BUREAU OF AERONAUTICS,
AND THE AIR COUNCIL OF THE UNITED KINGDOM

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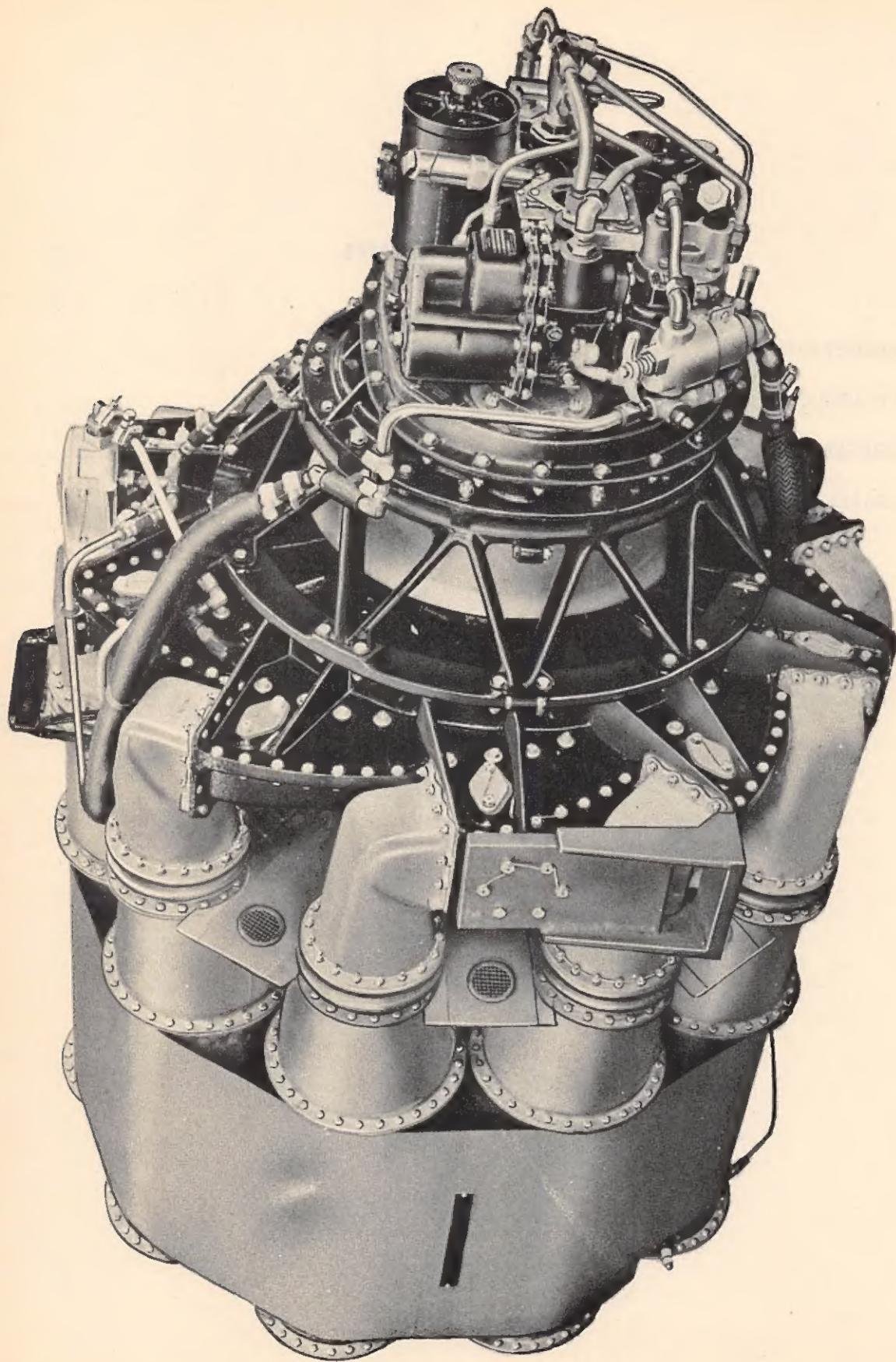


Figure 1—Type J-16 Turbo Jet Engine

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SECTION I

INTRODUCTION

1. This parts catalog includes a list of subassemblies and detail parts of the Navy Type I-16-6 turbo jet engine manufactured by the General Electric Company, Schenectady, New York.

2. ARRANGEMENT OF PARTS CATALOG.

a. The GROUP ASSEMBLY PARTS LIST contains a systematic breakdown of the I-16-6 engine into its major component assemblies. Relationship of these assemblies to one another is shown by proper indentation. An illustration showing each assembly, subassembly and component part is included in this list. Index numbers with leaders are used on the illustrations and these numbers are identical with those to the GROUP ASSEMBLY PARTS LIST. Index numbers are applied only to procurable parts.

b. One illustration suffices for more than one design of a particular assembly provided the differences are slight.

c. In general, parts of welded assemblies are not listed separately. It is intended that the complete welded assembly be used for replacement. Certain other assemblies are not broken down into component parts as it is not considered practical to have these parts replaced in the field. Where replacement is necessary the complete subassembly should be used.

d. In the GROUP ASSEMBLY PARTS LIST each illustration has a consecutive and complete parts list and where a breakdown of the major assembly cannot be shown on the same illustration a cross-reference is used to show on what illustration this assembly is broken down.

e. Where a major assembly is listed in its entirety only, the note (see figure . . .), will follow the nomenclature of the parts and will give the figure number of the illustration on which it is shown exploded into its

procurable component parts. On that illustration, where the part is shown in breakdown form, the major assembly part number will be repeated and the word "Ref" will be written in the UNITS PER ASSY column and then broken down.

3. NUMERICAL PARTS LIST.

Section III is a numerical list of the General Electric and vendor's part numbers, as well as the AAF and the Army-Navy Standard part numbers. These are all arranged in numerical order with figure and index number reference. Also provided is the total quantity required per engine. This list can be used as an index to the Group Assembly Parts List.

4. STANDARD PARTS LIST.

Section IV consists of AAF and Army-Navy Standard Parts List in numerical order. Also provided is the attaching quantity required to hold one assembly to another. In most cases the attaching quantity is the total quantity used in the engine.

5. HOW TO USE THE PARTS CATALOG.

a. When you know what the part looks like, such as figure number 12, index number 8, and you want to find its part number and nomenclature, refer to the Group Assembly Parts List. Upon investigation we find that figure number 12 index number 8 is 8439703 and its nomenclature is clutch assembly.

b. When you know the number of the part, such as 8439703 and you want to find what it looks like, look in the Numerical Parts List and find its figure and index number reference. Turn to the illustration as directed by the Numerical Parts List and under the index number you will find what the part looks like.

SECTION II
GROUP ASSEMBLY PARTS LIST

| Figure and Index No. | Part Number | 1 2 3 4 5 6 7 | Nomenclature | Usage Code | Units per Assy |
|--|-------------|---------------|---|---------------|----------------------|
| TURBO JET ENGINE (FIG. 2 THROUGH 7) | | | | | |
| 1 | I-16-6 | | Turbo Jet Engine | | 1 |
| 2 | 8439500 | | Rotor Assy (See figure 8) | | 1 |
| 3-1 | 8439688 | | Accessories and Drive Assy (See figure 9) | | 1 |
| 3-2 | 6688873 | | Gasket—Gear casing | | 1 |
| 3-3 | 8439211 | | Shaft—Coupling | | 1 |
| 3-4 | 8439731 | | Bearing Assy—Compressor (See figure 32) | | 1 |
| 3-5 | 8468255 | | Washer—Lock | | 1 |
| 3-6 | AN74-6 | | Bolt | | 8 |
| 3-7 | 8439687 | | Support Assy—Compressor Bearing (See figure 33) | | 1 |
| 3-8 | AN960C416 | | Washer | | 26 |
| 3-9 | AN4-11 | | Bolt | | 13 |
| 3-10 | AN310-4 | | Nut—Castle | | 13 |
| 3-11 | AN380C2-2 | | Pin—Cotter | | 13 |
| 3-12 | 6652974 | | Ring Assy—Truss | | 1 |
| 3-12A | 6652974P3 | | Ring—Plain truss | | 1 |
| 3-12B | 6652974P4 | | Ring—Milled truss | | 1 |
| 3-12C | AN960C516 | | Washer | | 16 |
| 3-12D | AN5-13 | | Bolt | | 4 |
| 3-12E | 6688809P2 | | Bolt | | 4 |

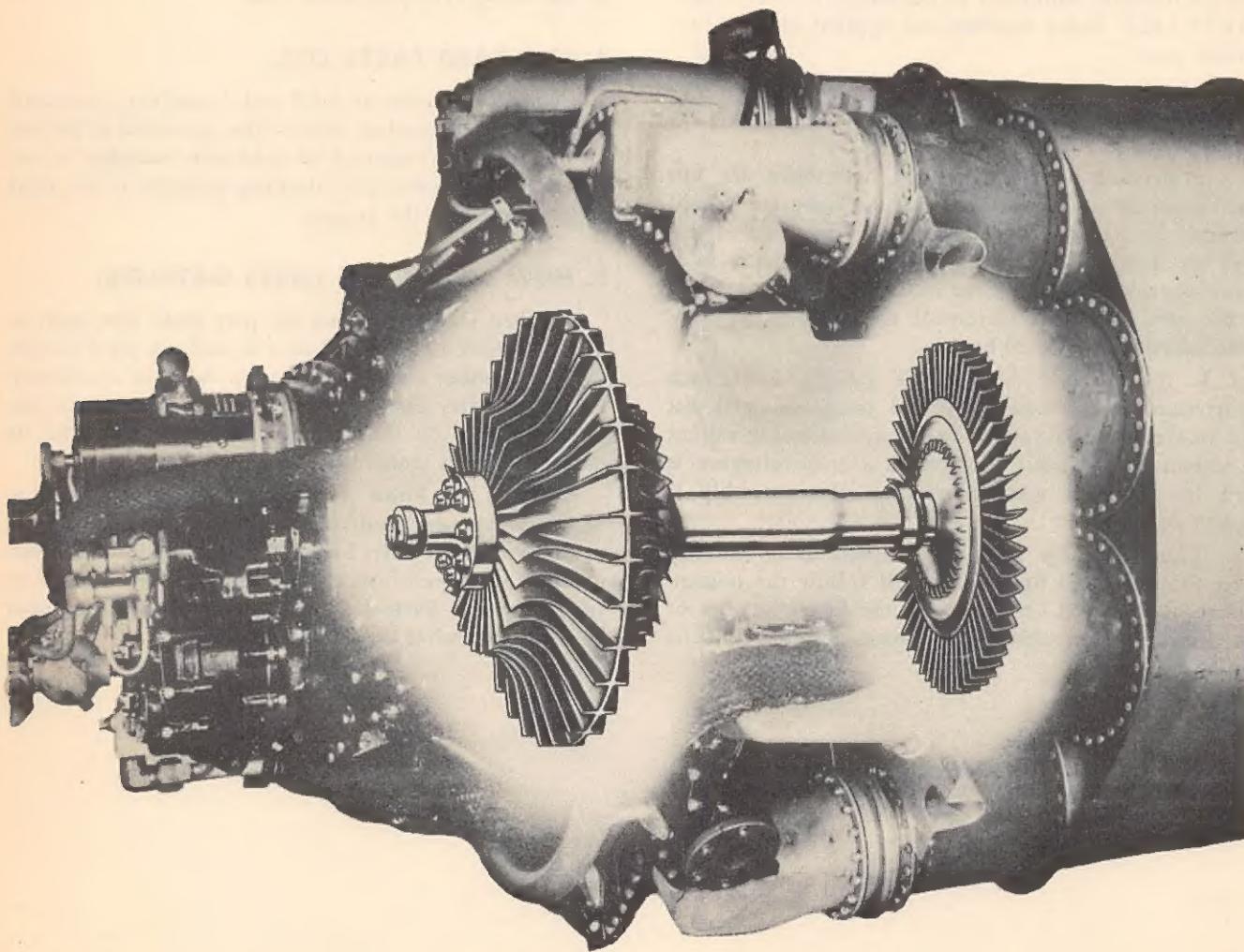


Figure 2—Basic Assembly Part I

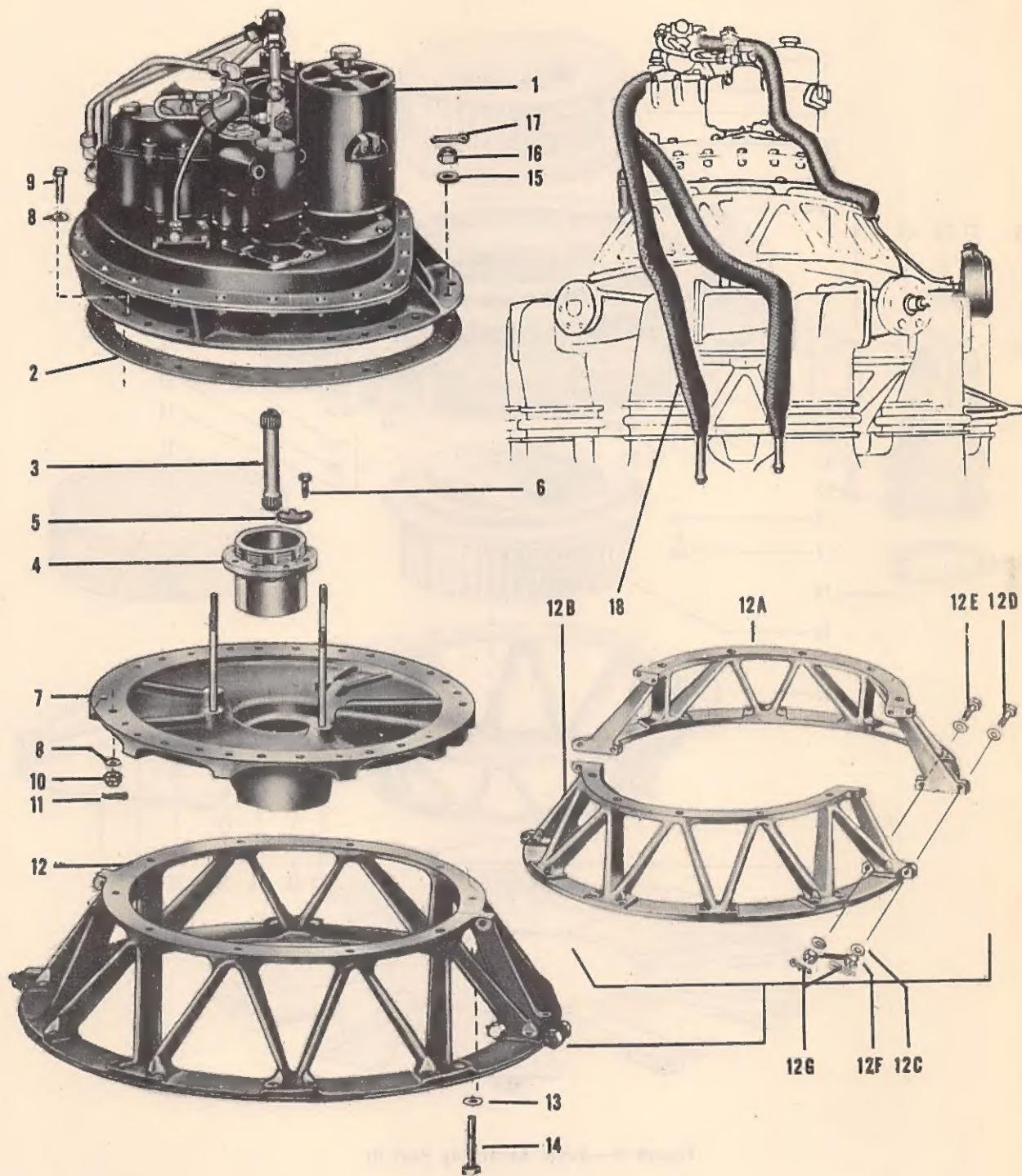


Figure 3—Basic Assembly Part II

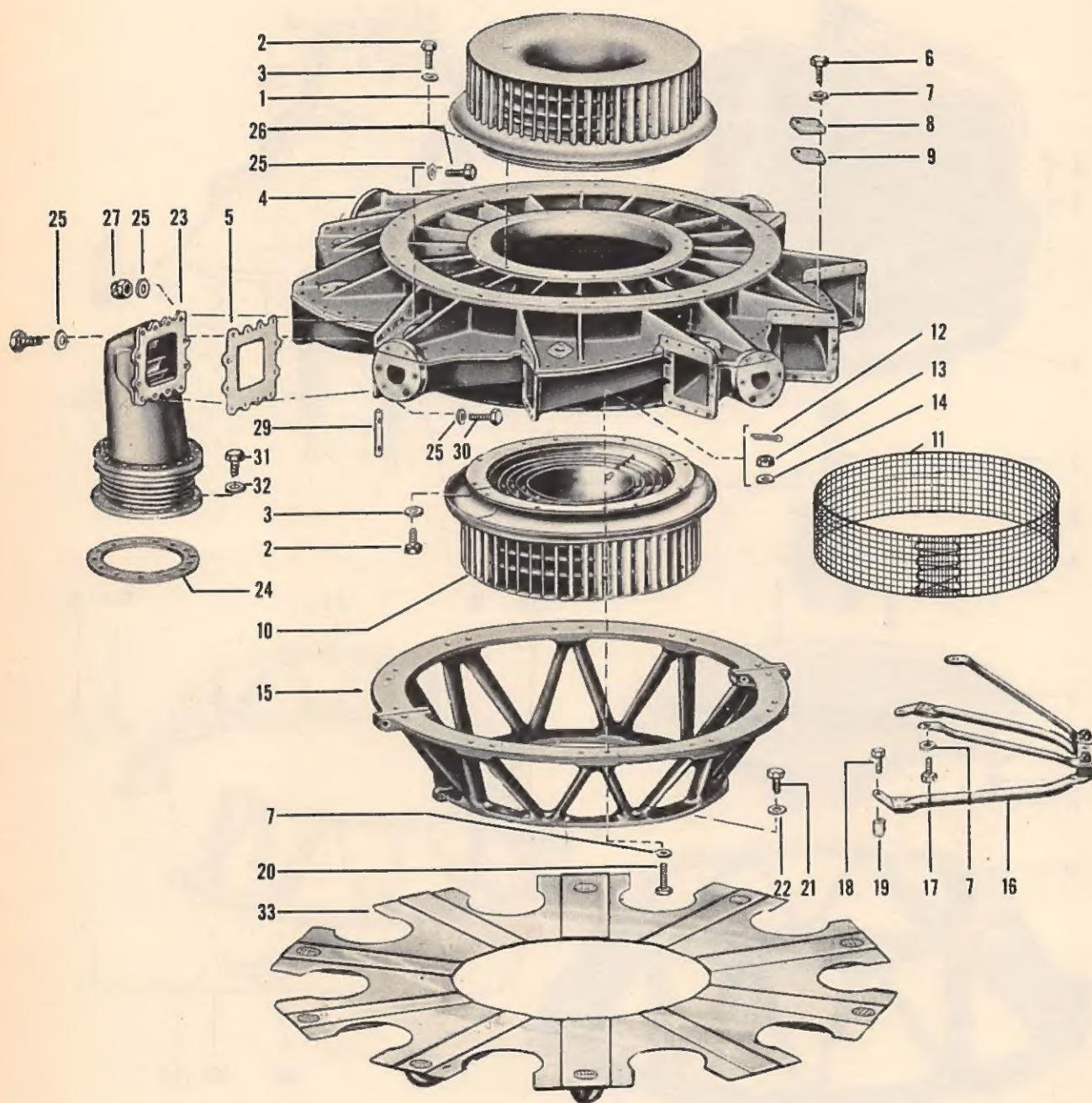


Figure 4—Basic Assembly Part III

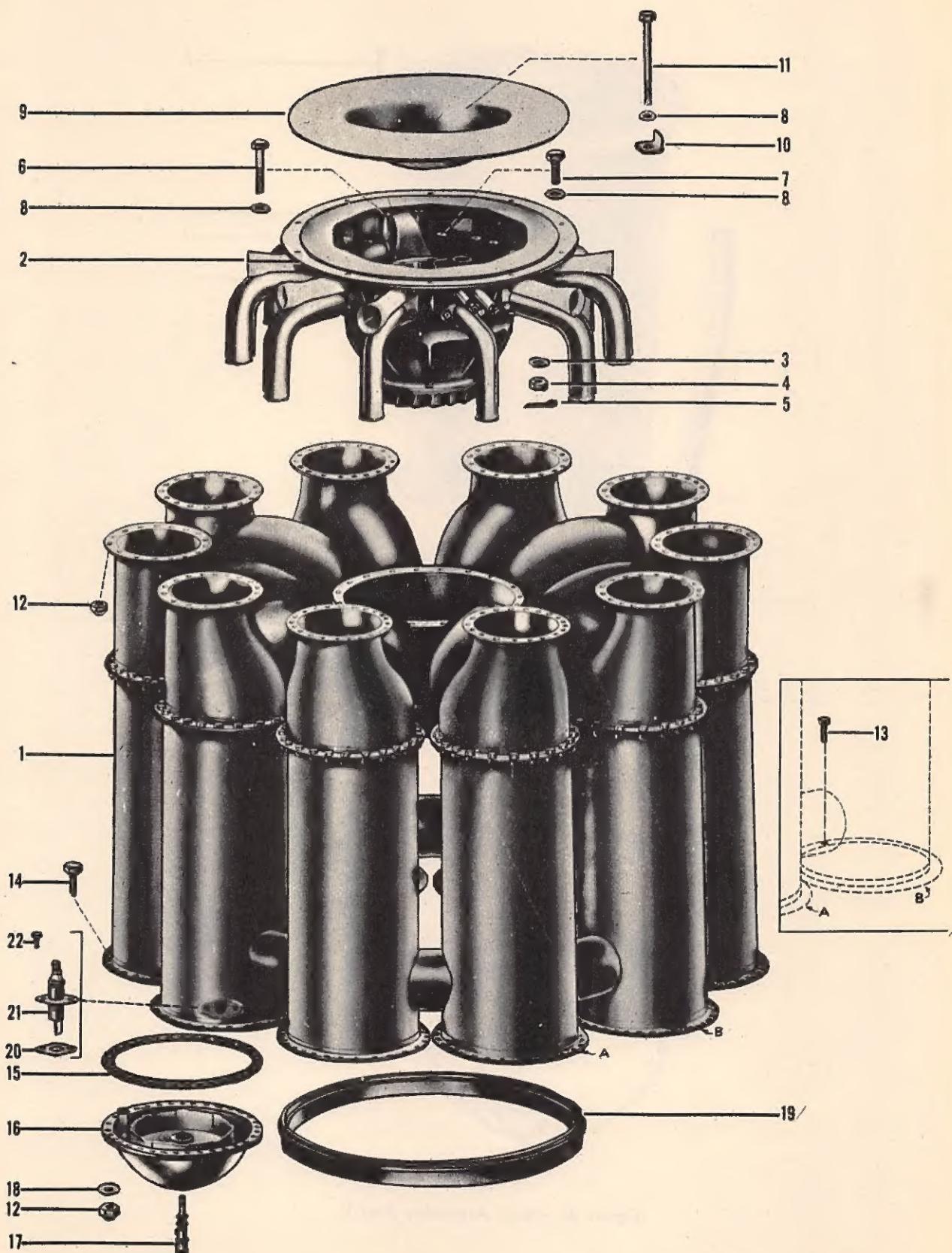


Figure 5—Basic Assembly Part IV

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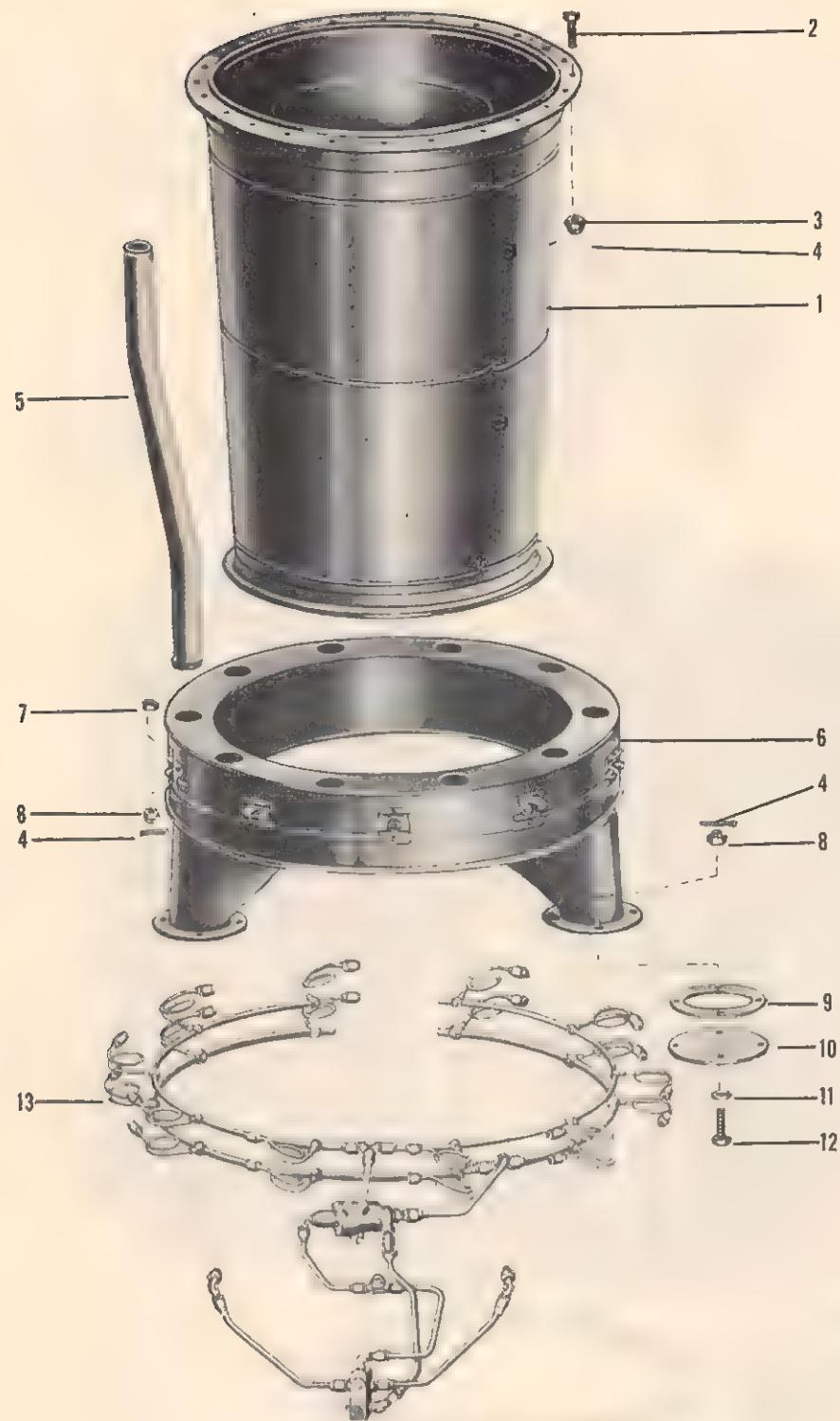


Figure 6—Basic Assembly Part V

| Figure and Index No. | Part Number | 1 2 3 4 5 6 7 | Nomenclature | Usage Code | Units per Assy |
|--|-------------|---------------|--|---------------|----------------------|
| TURBO JET ENGINE (FIG. 2 THROUGH 7)—Continued | | | | | |
| 3-12F | AN310-5 | | Nut—Castle | | 8 |
| 3-12G | AN380C2-2 | | Pin—Cotter | | 8 |
| 3-13 | 8436909 | | Washer | | 10 |
| 3-14 | AN6-25 | | Bolt | | 10 |
| 3-15 | AN960C616 | | Washer | | 10 |
| 3-16 | AN310-6 | | Nut—Castle | | 10 |
| 3-17 | AN380C3-3 | | Pin—Cotter | | 10 |
| 3-18 | 8439627 | | Piping Assy—Outside | | 10 |
| 4-1 | 8439742 | | Vane and Screen Assy—Compressor front inlet (See figure 34) | | 1 |
| 4-2 | AN74-5 | | Bolt | | 1 |
| 4-3 | AN960C416 | | Washer | | 12 |
| 4-4 | 8439446 | | Casings Assy—Compressor (See figure 35) | | 12 |
| 4-5 | 8439027P2 | | Gasket—Compressor elbow | | 1 |
| 4-6 | AN74-4 | | Bolt | | 10 |
| 4-7 | AN960C516 | | Washer | | 20 |
| 4-8 | 8468105 | | Cover—Front casing | | 20 |
| 4-9 | 6688852P1 | | Gasket—Cabin manifold stack | | 10 |
| 4-10 | 8439743 | | Vane Assy—Compressor rear inlet (See figure 36) | | 10 |
| 4-11 | 8439149 | | Screen installation—Compressor rear inlet (See figure 37) | | 1 |
| 4-12 | AN960C416 | | Washer | | 1 |
| 4-13 | AN74-5 | | Bolt | | 12 |
| 4-14 | AN380C2-2 | | Pin—Cotter | | 12 |
| 4-15 | AN310-5 | | Nut—Castle | | 40 |
| 4-16 | 6688757-3 | | Washer—Conical | | 40 |
| 4-17 | 6652974 | | Ring Assy—Truss | | 40 |
| 4-18 | 8439822 | | Attachment Assy—Lifting | | 1 |
| 4-19 | AN960C516 | | Washer | | 1 |
| 4-20 | AN5-16 | | Bolt | | 38 |
| 4-21 | AN6-17 | | Bolt | | 38 |
| 4-22 | 8436909 | | Bolt | | 8 |
| 4-23 | 8439810 | | Washer | | 8 |
| 4-24 | 6652869 | | Elbow and Joint Assy—Compressor (See figure 38) | | 10 |
| 4-25 | AN960C10 | | Gasket—Expansion joint rear | | 10 |
| 4-26 | AN3-7 | | Washer | | 140 |
| 4-27 | AN310-3 | | Bolt | | 60 |
| 4-28 | 8468235 | | Nut—Castle | | 60 |
| 4-29 | 8461545 | | Bolt | | 20 |
| 4-30 | AN73-4 | | Pin—Discharge flange | | 10 |
| 4-31 | AN960C10 | | Bolt | | 40 |
| 4-32 | AN3-4 | | Washer | | 40 |
| 4-33 | AN960C10L | | Bolt | | 180 |
| 5-1 | AN960C10 | | Washer | | 290 |
| 5-2 | 8439800 | | Baffle Assy—Air (See figure 39) | | 70 |
| 5-3 | 8439507 | | Combustion Assy—(See figures 40 and 41) | | 1 |
| 5-4 | 8439832 | | Support and Bearing Assy—Turbine (See figure 42) | | 1 |
| 5-5 | AN960C616 | | Washer | | 10 |
| 5-6 | AN310-6 | | Nut—Castle | | 10 |
| 5-7 | AN380C3-3 | | Pin—Cotter | | 10 |
| 5-8 | AN74-37 | | Bolt | | 4 |
| 5-9 | AN74-24 | | Bolt | | 16 |
| 5-10 | AN960C416 | | Washer | | 20 |
| 5-11 | 8469091 | | Baffle—Air, turbine bearing | | 1 |
| 5-12 | 8468641 | | Clip—Thermocouple | | 1 |
| 5-13 | AN74-37 | | Washer | | 3 |
| 5-14 | AN74-24 | | Bolt | | 3 |
| 5-15 | AN960C416 | | Nut—Castle | | 180 |
| 5-16 | 846941 | | Bolt | | 10 |
| 5-17 | AN310-3 | | Bolt | | 290 |
| 5-18 | 8468613 | | Washer | | 10 |
| 5-19 | AN3-4 | | Bolt | | 10 |
| 5-20 | 6652870 | | Gasket | | 10 |
| 5-21 | 8439471 | | Dome Assy | | 10 |
| 5-22 | 8439621 | | Nozzle Assy—Duplex fuel (See figure 45) | | 10 |
| 5-23 | AN960C10 | | Washer | | 290 |
| 5-24 | AN310-3 | | Nut—Castle | | 290 |
| 5-25 | 8439724 | | Bolt | | 1 |
| 5-26 | AN74-3 | | Ring—Turbine shroud | | 2 |
| 5-27 | 8436848 | | Gasket—Spark plug flange | | 2 |
| 5-28 | 8468609 | | Spark Plug | | 2 |
| 5-29 | 8439724 | | Bolt | | 4 |
| 5-30 | AN74-3 | | Cone Assy—Exhaust (See figure 46) | | 1 |
| 5-31 | 8439380 | | Bolt | | 1 |
| 5-32 | 8468270 | | | | 36 |

| Figure and Index No. | Part Number | 1 2 3 4 5 6 7 | Nomenclature | Usage Code | Units per Assy |
|--|-------------|---------------|--|---------------|----------------------|
| TURBO JET ENGINE (FIG. 2 THROUGH 7)—Continued | | | | | |
| 6-3 | 8468269 | | Nut | | 36 |
| 6-4 | AN380C2-2 | | Pin—Cotter | | 36 |
| 6-5 | 8439468 | | Connector—Cooling air manifold | | 10 |
| 6-6 | 8439454 | | Manifold Assy—Cooling air | | 1 |
| 6-7 | AN360-3 | | Nut | | 10 |
| 6-8 | AN310-3 | | Nut—Castle | | 10 |
| 6-4 | AN380C2-2 | | Pin—Cotter | | 10 |
| 6-9 | 8468120 | | Gasket | | 1 |
| 6-10 | 8468273 | | Cover | | 1 |
| 6-8 | AN310-3 | | Nut—Castle | | 4 |
| 6-4 | AN380C2-2 | | Pin—Cotter | | 4 |
| 6-11 | AN960C10L | | Washer | | 4 |
| 6-12 | AN3-5 | | Bolt | | 4 |
| 6-13 | 8439689 | | Piping Assy—Fuel and chamber drain (See figure 47) | | 1 |
| 7-1 | 8439716 | | Sheathing Assy | | 1 |
| 7-2 | 6688763 | | Spring | | 6 |

ROTOR ASSY (FIG. 8)

| | | | Ref. |
|-------|-----------|--------------------------|------|
| 2 | 8439500 | Rotor Assy | |
| 8-1 | 8439501 | Wheel and Bucket Assy | 1 |
| 8-1A | 8439499 | Wheel and Shaft | 1 |
| 8-1B | 8402887 | Bucket | 54 |
| 8-2 | 6688805 | Slinger—Turbine oil | 1 |
| 8-3 | 8439756 | Bearing—Turbine ball | 1 |
| 8-4 | 8439440 | Shaft Assy—Impeller rear | 1 |
| 8-4A | 8439427 | Collar—Shaft | 1 |
| 8-4B | 8439436 | Shaft Assy | 1 |
| 8-4B1 | 8439436-1 | Shaft | 1 |
| 8-4B2 | 8468224 | Screw—Set | 4 |
| 8-4B3 | 6688912-1 | Pin—Locking | 4 |

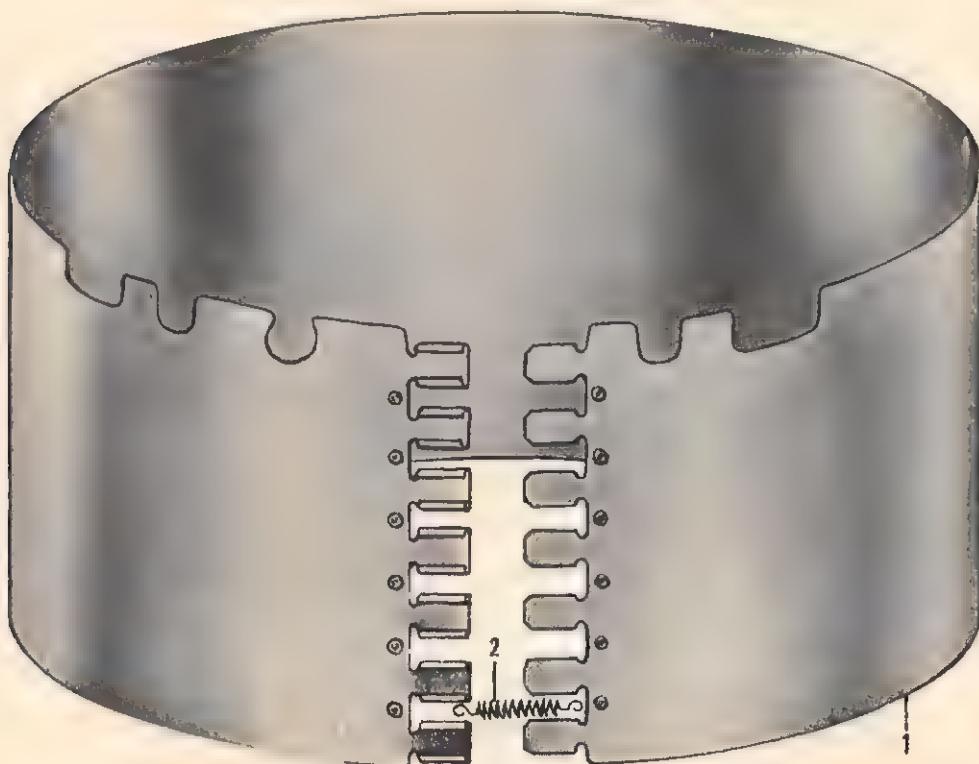


Figure 7—Basic Assembly Part VI

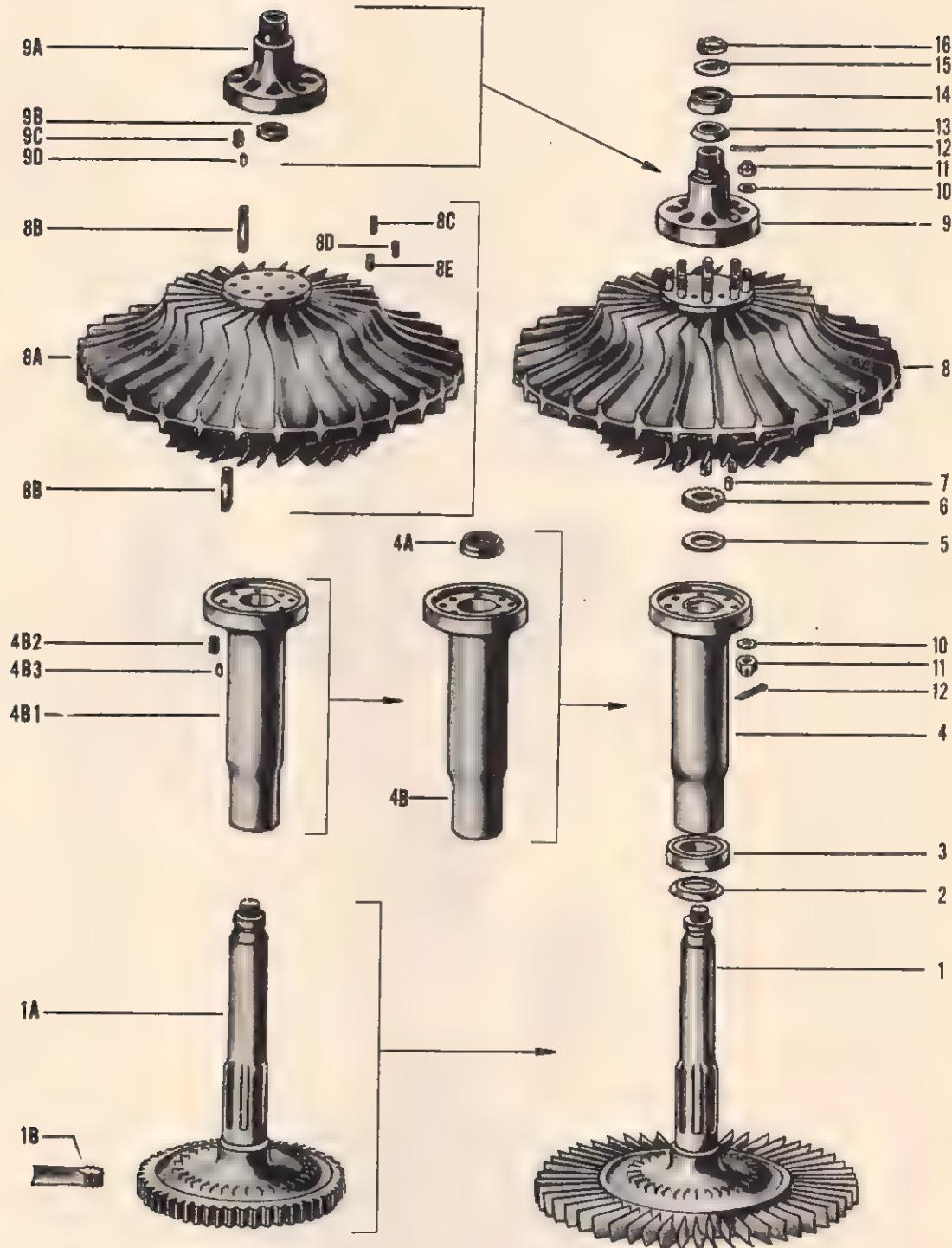


Figure 8—Exploded View of Rotor Assembly

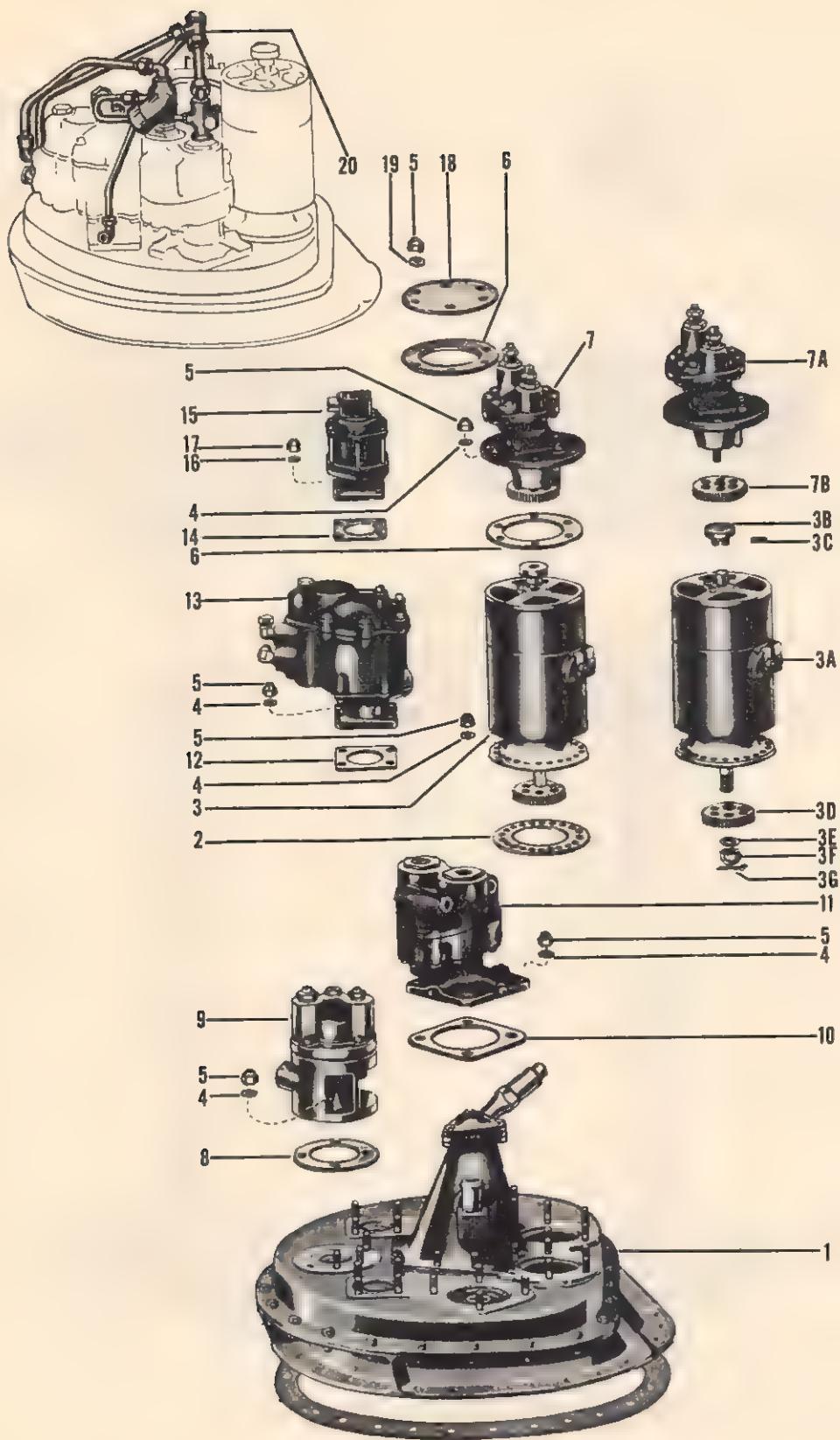


Figure 9—Accessories and Drive Assembly

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| Figure and Index No. | Part Number | 1 | 2 | 3 | 4 | 5 | 6 | 7 | Nomenclature | Usage Code | Units per Assy |
|----------------------|-------------|---|---|---|---|---|---|---|--------------|------------|----------------|
|----------------------|-------------|---|---|---|---|---|---|---|--------------|------------|----------------|

ROTOR ASSY (FIG. 8)—Continued

| | | | | | | | | | | | |
|------|-----------|--|--|--|--|--|--|--|------------------|----|----|
| 8-5 | 6688803 | | | | | | | | Shim | | 1 |
| 8-6 | 6688802 | | | | | | | | Nut—Shaft | | 1 |
| 8-7 | 6688804 | | | | | | | | Pin—Locking | | 1 |
| 8-8 | 6652888 | | | | | | | | Impeller Assy | | 1 |
| 8-8A | 6652840 | | | | | | | | Impeller | | 1 |
| 8-8B | 6652972 | | | | | | | | Stud | | 16 |
| 8-8C | 8439594-1 | | | | | | | | Plug | AR | |
| 8-8D | 8439594-2 | | | | | | | | Plug | AR | |
| 8-8E | 8439594-3 | | | | | | | | Plug | AR | |
| 8-9 | 6652846 | | | | | | | | Shaft Assy—Front | | |
| 8-9A | 8439755 | | | | | | | | Shaft | | 1 |
| 8-9B | 8468314 | | | | | | | | Plug | | 1 |
| 8-9C | 8468224 | | | | | | | | Screw | | 4 |
| 8-9D | 6688912-1 | | | | | | | | Pin | | 4 |
| 8-10 | 6688808 | | | | | | | | Washer | | 16 |
| 8-11 | 6688817 | | | | | | | | Nut—Castle | | 16 |
| 8-12 | AN380C3-3 | | | | | | | | Pin—Cotter | | 16 |
| 8-13 | 6688806 | | | | | | | | Slinger | | 1 |
| 8-14 | 6652986 | | | | | | | | Bearing—Ball | | 1 |
| 8-15 | 6688815 | | | | | | | | Washer—Lock | | 1 |
| 8-16 | 6688814 | | | | | | | | Nut—Lock | | 1 |

ACCESSORIES AND DRIVE ASSY (FIG. 9)

| | | | | | | | | | | | |
|------|------------|--|--|--|--|--|--|--|--|---|------|
| 3-1 | 8439688 | | | | | | | | Accessories and Drive Assy | | Ref. |
| 9-1 | 8439706 | | | | | | | | Gear Assy—Reduction (See figures 10, 11, and 12) | 1 | |
| 9-2 | 6688708 | | | | | | | | Gasket—Starter | 1 | |
| 9-3 | 8439705 | | | | | | | | Starter and Pinion Assy | 1 | |
| 9-3A | 2CM42B4 | | | | | | | | Starter (See figure 18) | 1 | |
| 9-3B | 6688771 | | | | | | | | Wheel—Hand | 1 | |
| 9-3C | 566A10-4 | | | | | | | | Screw—Set | 1 | |
| 9-3D | 8437174 | | | | | | | | Pinion—Starter | 1 | |
| 9-3E | AN960-816 | | | | | | | | Washer | 1 | |
| 9-3F | AN310-8 | | | | | | | | Nut—Castle | 1 | |
| 9-3G | AN380C3-4 | | | | | | | | Pin—Cotter | 1 | |
| 9-4 | AN960C516 | | | | | | | | Washer | 5 | |
| 9-5 | AN310-5 | | | | | | | | Nut—Castle | 5 | |
| 9-6 | 6688707 | | | | | | | | Gasket—Starting pump and cover plate | 1 | |
| 9-7 | 8439872 | | | | | | | | Pump and Pinion Assy—Starting | 1 | |
| 9-7A | 1500-1B | | | | | | | | Pump—Starting (Eclipse Aviation Co., Bendix, N. J.) (See figure 19) | 1 | |
| 9-7B | 8437175 | | | | | | | | Pinion—Starting pump | 1 | |
| 9-4 | AN960C516 | | | | | | | | Washer | 5 | |
| 9-5 | AN310-5 | | | | | | | | Nut—Castle | 5 | |
| 9-8 | 6688710 | | | | | | | | Gasket—Lube and scavenging pump | 1 | |
| 9-9 | C14C14C28B | | | | | | | | Pump—Lube and scavenging (W. H. Nichols and Sons, Waltham, Mass.) (See figure 20) | 1 | |
| 9-4 | AN960C516 | | | | | | | | Washer | 3 | |
| 9-5 | AN310-5 | | | | | | | | Nut—Castle | 3 | |
| 9-10 | 8439618 | | | | | | | | Gasket—Fuel pump | 1 | |
| 9-11 | I-P587E | | | | | | | | Pump—Fuel (Pump Engineering Service Corp., 12910 Taft Ave., Cleveland, Ohio) | 1 | |
| 9-4 | AN960C516 | | | | | | | | Washer | 4 | |
| 9-5 | AN310-5 | | | | | | | | Nut—Castle | 4 | |
| 9-12 | 6688968 | | | | | | | | Gasket—Governor | 1 | |
| 9-13 | 7HGL16B2 | | | | | | | | Governor (See figure 21) | 1 | |
| 9-4 | AN960C516 | | | | | | | | Washer | 4 | |
| 9-5 | AN310-5 | | | | | | | | Nut—Castle | 4 | |
| 9-14 | 6688709 | | | | | | | | Gasket | 1 | |
| 9-15 | 2CM5ACF | | | | | | | | Tachometer Generator (See figure 22) | 1 | |
| 9-16 | AN960C416 | | | | | | | | Washer | 4 | |
| 9-17 | AN310-4 | | | | | | | | Nut—Castle | 4 | |
| 9-6 | 6688707 | | | | | | | | Gasket—Starting pump and cover plate | 1 | |
| 9-18 | 8468104 | | | | | | | | Plate—cover | 1 | |
| 9-19 | AN960C516L | | | | | | | | Washer | 6 | |
| 9-5 | AN310-5 | | | | | | | | Nut—Castle | 6 | |
| 9-20 | 8439690 | | | | | | | | Piping Assy—Accessories (See figures 23 and 24) | 1 | |

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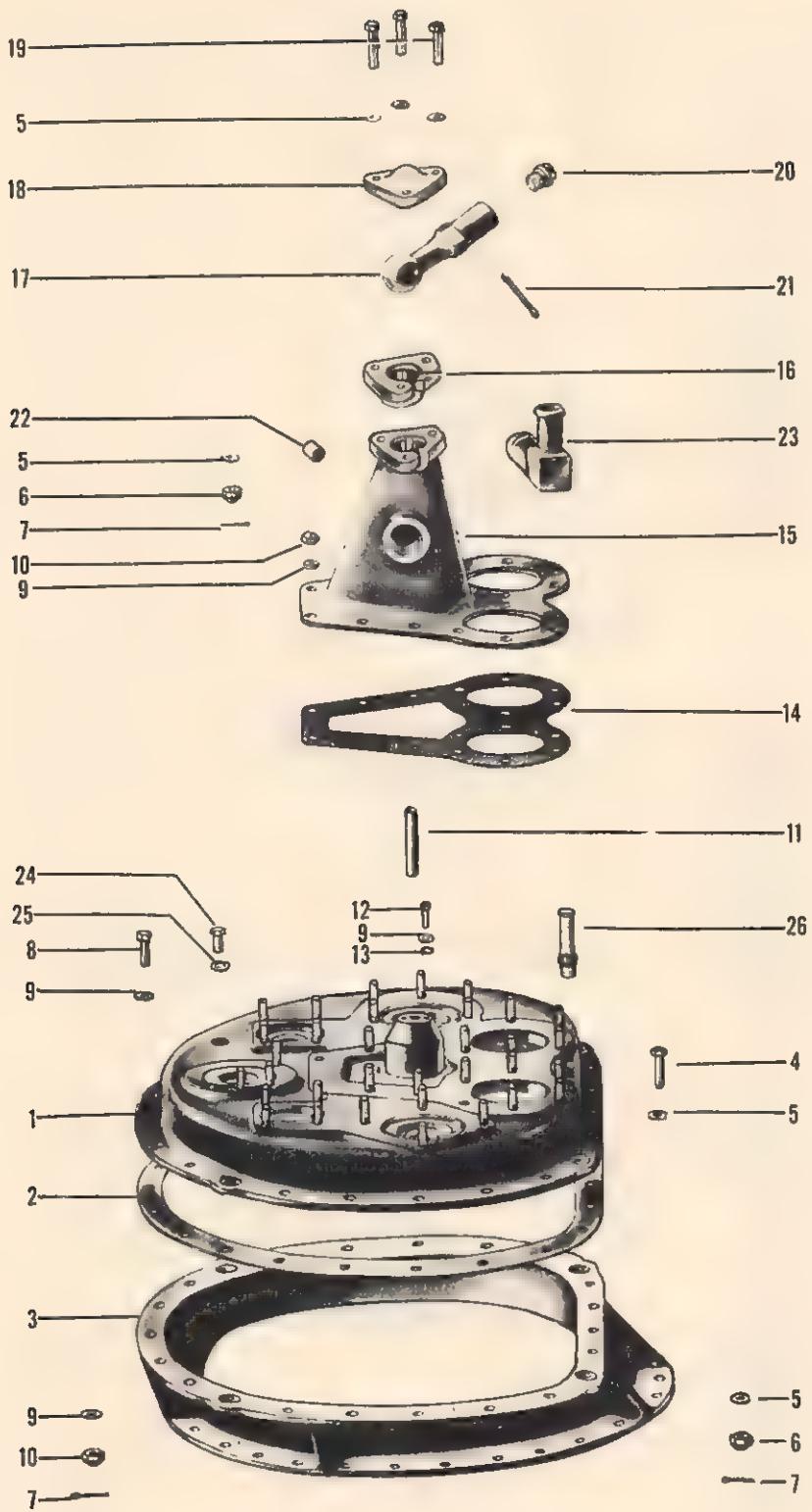


Figure 10—Reduction Gear Assembly Part I

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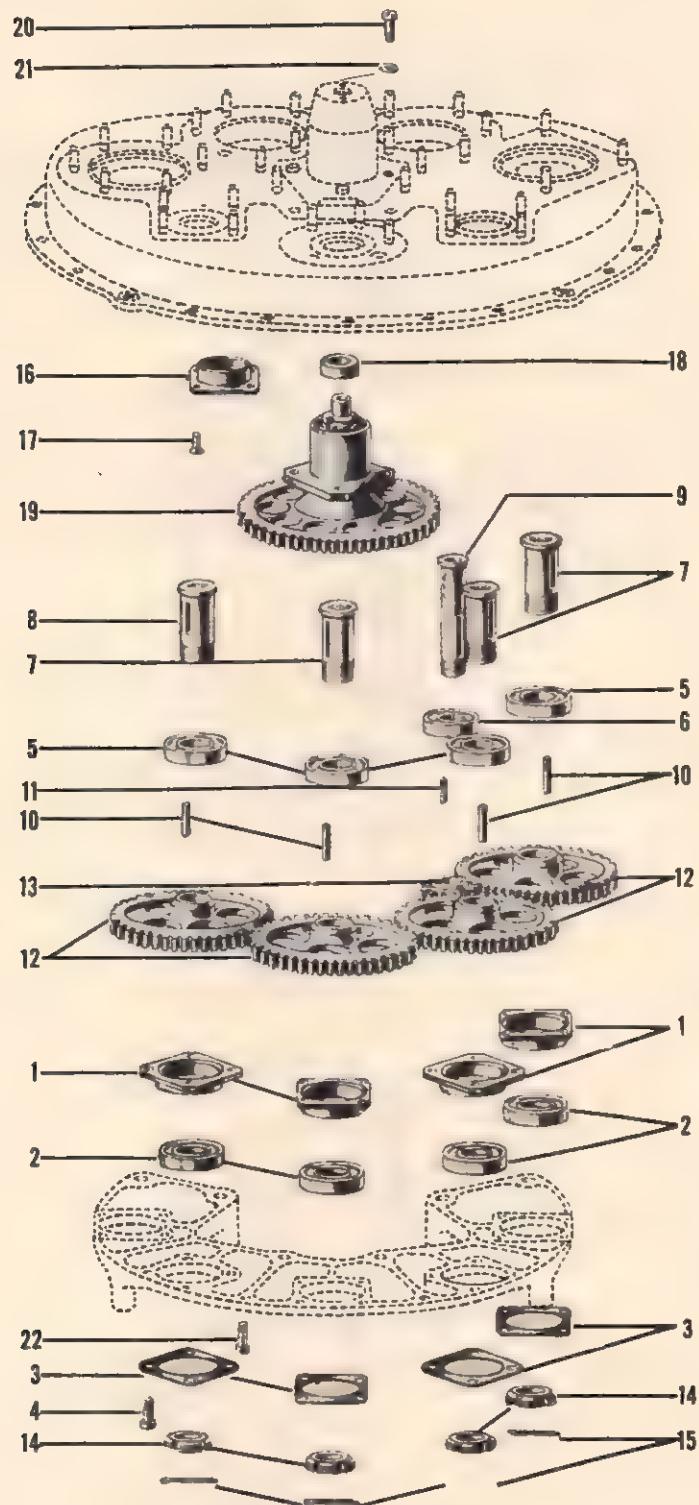


Figure 11—Reduction Gear Assembly Part II

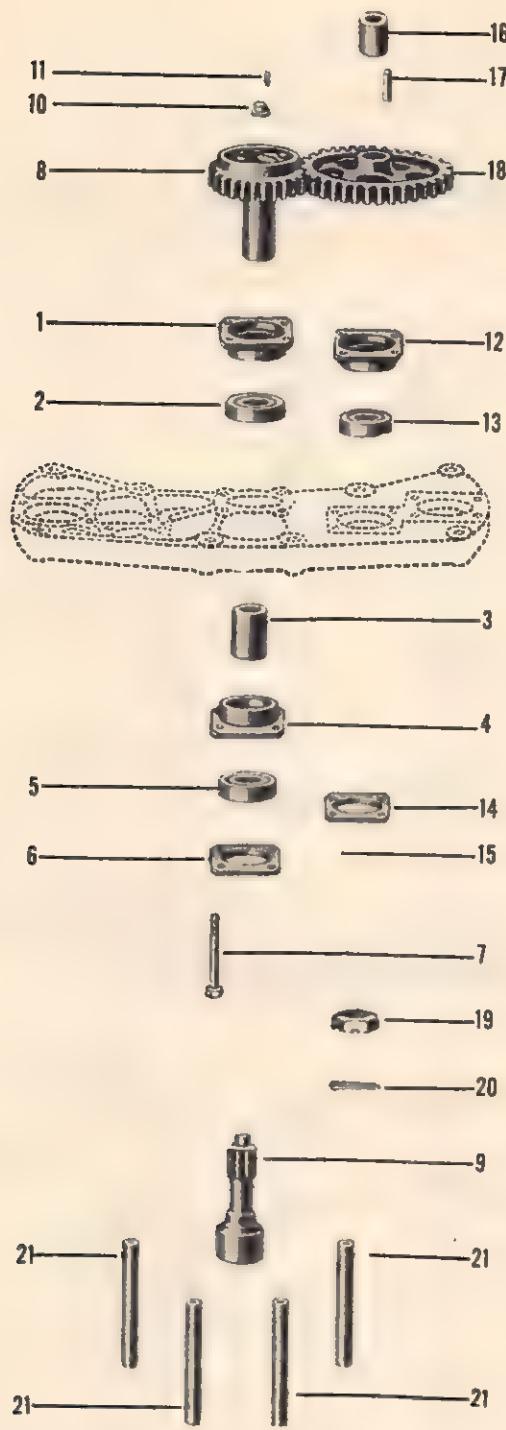


Figure 12—Reduction Gear Assembly Part III

| Figure and Index No. | Part Number | 1 2 3 4 5 6 7 | Nomenclature | Usage Code | Unit per Assy |
|---|--------------------|---------------|--|---------------|---------------------|
| REDUCTION GEAR ASSY (FIGS. 10, 11, and 12) | | | | | |
| 9-1 10-1 | 8439706 8439819 | | Gear Assy—Reduction Casing and Spiders Assy—Reduction gear front (See figure 13) | | Ref. |
| 10-2 | 6688900 | | Gasket—Gear casing—front | 1 | |
| 10-3 | 6652954 | | Casing Assy—Gear rear (See figure 15) | 1 | |
| 10-4 | 6688892 | | Bolt—Gear casing, Dowel | 4 | |
| 10-5 | AN960C516 | | Washer | 8 | |
| 10-6 | AN310-5 | | Nut—Castle | 4 | |
| 10-7 | AN380C2-2 | | Pin—Cotter | 4 | |
| 10-8 | AN4-11 | | Bolt | 19 | |
| 10-9 | AN960C416 | | Washer | 38 | |
| 10-10 | AN310-4 | | Nut—Castle | 19 | |
| 10-7 | AN380C-2-2 | | Pin—Cotter | 19 | |
| 10-11 | 6688887 | | Pipe—Reduction gear oil | 1 | |
| 10-12 | AN503-416-10 | | Screw | 2 | |
| 10-9 | AN960C416 | | Washer | 2 | |
| 10-13 | AN6227-5 | | Packing—“O” Ring | 2 | |
| 10-14 | 6688899 | | Gasket—Reduction gear support housing | 1 | |
| 10-15 | 8439438 | | Housing—Reduction gear support | 1 | |
| 10-9 | AN960C416 | | Washer | 4 | |
| 10-10 | AN310-4 | | Nut—Castle | 4 | |
| 10-16 | 8439442 | | Seat—Reduction gear support | 1 | |
| 10-17 | 6652992 | | Support—Reduction gear female | 1 | |
| 10-18 | 8439441 | | Cap—Reduction gear support | 1 | |
| 10-19 | AN5-14 | | Bolt | 3 | |
| 10-5 | AN960C516 | | Washer | 6 | |
| 10-6 | AN310-5 | | Nut—Castle | 3 | |
| 10-7 | AN380C2-2 | | Pin—Cotter | 3 | |
| 10-20 | 8468190 | | Plug—Support | 1 | |
| 10-21 | AN380C4-7 | | Pin—Cotter | 1 | |
| 10-22 | 1604-42 | | Plug—Plastic, (S. S. White Co., 10 E. 40th St., New York, N. Y.) | | |
| 10-23 | AN842-17D | | Elbow—Pipe thd. and hose 90° | 1 | |
| 10-24 | AN814-3 | | Plug—Screw thread | 1 | |
| 10-25 | AN960A616 | | Washer | 1 | |
| 10-26 | AN840-8D | | Adapter—Hose | 1 | |
| 11-1 | 8402752 | | Housing—Accessory drive rear bearing | 4 | |
| 11-2 | 105S | | Bearing—Ball MRC No. 3, ABEC, (Marlin Rockwell Corp., Jamestown, N. Y.) | 4 | |
| 11-3 | 6688879 | | Plate—Accessory drive bearing locking | 4 | |
| 11-4 | 6688898 | | Screw—Gear bearing locking plate | 16 | |
| 11-5 | ND-Q-R16x5 | | Bearing—Ball | 4 | |
| 11-6 | 104S | | Bearing—Ball MRC No. 3, ABEC, (Marlin Rockwell Corp., Jamestown, N. Y.) | | |
| 11-7 | 6652957 | | Shaft—Accessory drive | 1 | |
| 11-8 | 8402819 | | Shaft—Tachometer generator drive | 1 | |
| 11-9 | 6652962 | | Shaft—First reduction gear | 1 | |
| 11-10 | 6688897-3 | | Key—Reduction gear | 4 | |
| 11-11 | 8461639-1 | | Key—First reduction gear | 1 | |
| 11-12 | 8437166 | | Gear—Second reduction | 4 | |
| 11-13 | 8437176 | | Pinion—Second reduction | 1 | |
| 11-14 | 6688896 | | Nut—Accessory drive shaft | 4 | |
| 11-15 | AN380C3-7 | | Pin—Cotter | 4 | |
| 11-16 | 8402756 | | Housing—First reduction front bearing | 1 | |
| 11-17 | AN510-10-8 | | Screw | 4 | |
| 11-18 | 8468297 | | Seal—Oil | 1 | |
| 11-19 | 8439702 | | Gear Assy—Starting (See figure 16) | 1 | |
| 11-20 | AN501A416-16 | | Screw | 4 | |
| 11-21 | AN960C416 | | Washer | 4 | |
| 11-22 | AN74-6 | | Bolt | 2 | |
| 12-1 | 8402779 | | Housing—reduction drive front bearing | 1 | |
| 12-2 | ND-QR16x5 | | Bearing—Ball (New Departure Co., Bristol, Conn.) | 1 | |
| 12-3 | 668884-2 | | Spacer—Reduction gear | 1 | |
| 12-4 | 8402759 | | Housing—Reduction drive rear bearing | 1 | |
| 12-5 | 105S | | Bearing—Ball MRC No. 3, ABEC, (Marlin Rockwell Corp., Jamestown, N. Y.) | | |
| 12-6 | 6688879 | | Plate—Accessory drive bearing locking | 1 | |
| 12-7 | 6688894 | | Screw—Reduction gear brg. | 4 | |
| 12-8 | 8439703 | | Clutch Assy (See figure 17) | 1 | |
| 12-9 | 8480365 | | Shaft—Reduction drive | 1 | |
| 12-10 | 6688890 | | Nut—Reduction drive shaft | 1 | |
| 12-11 | 566A8-3 | | Screw—Set | 1 | |
| 12-12 | 8402734 | | Housing—First reduction rear bearing | 1 | |
| 12-13 | ND-QR12x5 | | Bearing—Ball (New Departure Co., Bristol, Conn.) | 1 | |

| Figure and Index No. | Part Number | 1 2 3 4 5 6 7 | Nomenclature | Usage Code | Units per Assy |
|---|-------------|---------------|--|---------------|----------------------|
| REDUCTION GEAR ASSY (FIGS. 10, 11, AND 12)—Continued | | | | | |
| 12-14 | 6688882 | | Plate—First reduction gear bearing locking | | 1 |
| 12-15 | 6688898 | | Screw—Gear bearing locking plate | | 4 |
| 12-16 | 6688883-1 | | Spacer—Reduction gear | | 1 |
| 12-17 | 8461639-2 | | Key—First reduction gear | | 1 |
| 12-18 | 8437165 | | Gear—First reduction | | 1 |
| 12-19 | 6688895 | | Nut—First reduction Gear Shaft | | 1 |
| 12-20 | AN380C4-5 | | Pin—Cotter | | 1 |
| 12-21 | 6688885 | | Dowel—Reduction gear hollow | | 4 |
| CASING AND SPIDERS ASSY (FIG. 13) | | | | | |
| 10-1 | 8439819 | | Casing and Spiders Assy—Reduction Gear Front | | Ref. |
| 13-1 | 8439707 | | Casing Assy—Gear front (See fig. 14) | | 1 |
| 13-2 | 6652955 | | Spider—Intermediate | | 1 |
| 13-3 | 8402817 | | Spider—Gear rear | | 1 |
| 13-4 | AN960C416 | | Washer | | 4 |
| 13-5 | AN74-26 | | Bolt | | 4 |

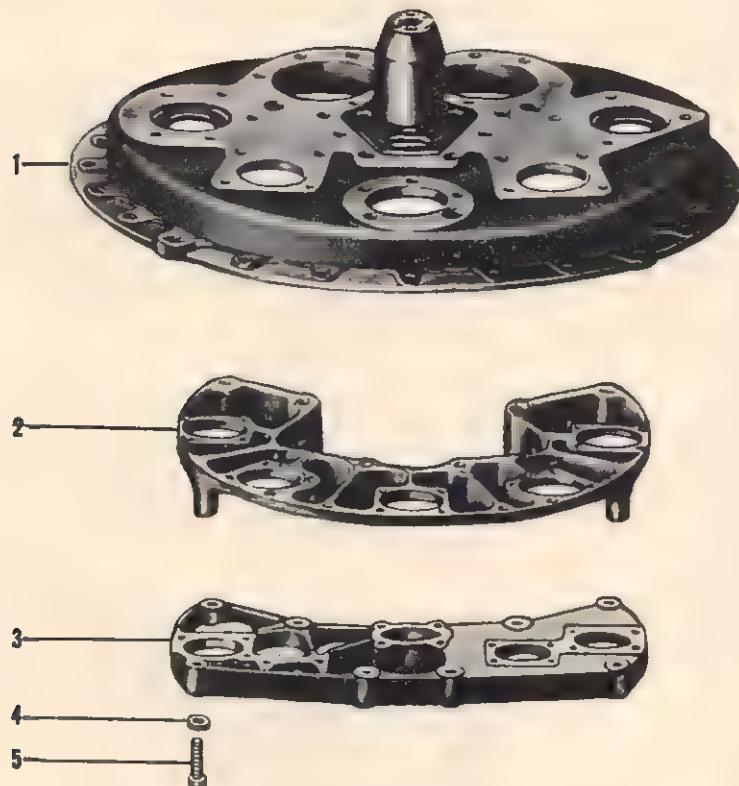


Figure 13—Front Casing and Spider Assembly

RESTRICTED

| Figure and Index No. | Part Number | 1 | 2 | 3 | 4 | 5 | 6 | 7 | Nomenclature | Usage Code | Units per Assy |
|---|-------------|---|---|---|---|---|---|---|--|---------------|----------------------|
| GEAR FRONT CASING ASSY (FIG. 14) | | | | | | | | | | | |
| 13-1 | 8439707 | | | | | | | | Casing Assy—Gear front | | Ref. |
| 14-1 | 8439698 | | | | | | | | Casing—Gear front | 1 | |
| 14-2 | 6652838-4 | | | | | | | | Bushing | 1 | |
| 14-3 | 6688912-1 | | | | | | | | Pin—Locking | 1 | |
| 14-4 | 6652838-5 | | | | | | | | Bushing | 6 | |
| 14-3 | 6688912-1 | | | | | | | | Pin—Locking | 6 | |
| 14-5 | 6652838-2 | | | | | | | | Bushing | 1 | |
| 14-3 | 6688912-1 | | | | | | | | Pin—Locking | 1 | |
| 14-6 | 6652838-14 | | | | | | | | Bushing | 1 | |
| 14-3 | 6688912-1 | | | | | | | | Pin—Locking | 1 | |
| 14-7 | 8436814-1 | | | | | | | | Bushing | 4 | |
| 14-3 | 6688912-1 | | | | | | | | Pin—Locking | 4 | |
| 14-8 | 6652838-7 | | | | | | | | Bushing | 8 | |
| 14-3 | 6688912-1 | | | | | | | | Pin—Locking | 8 | |
| 14-9 | 8439754 | | | | | | | | Housing—Tachometer drive front bearing | 1 | |

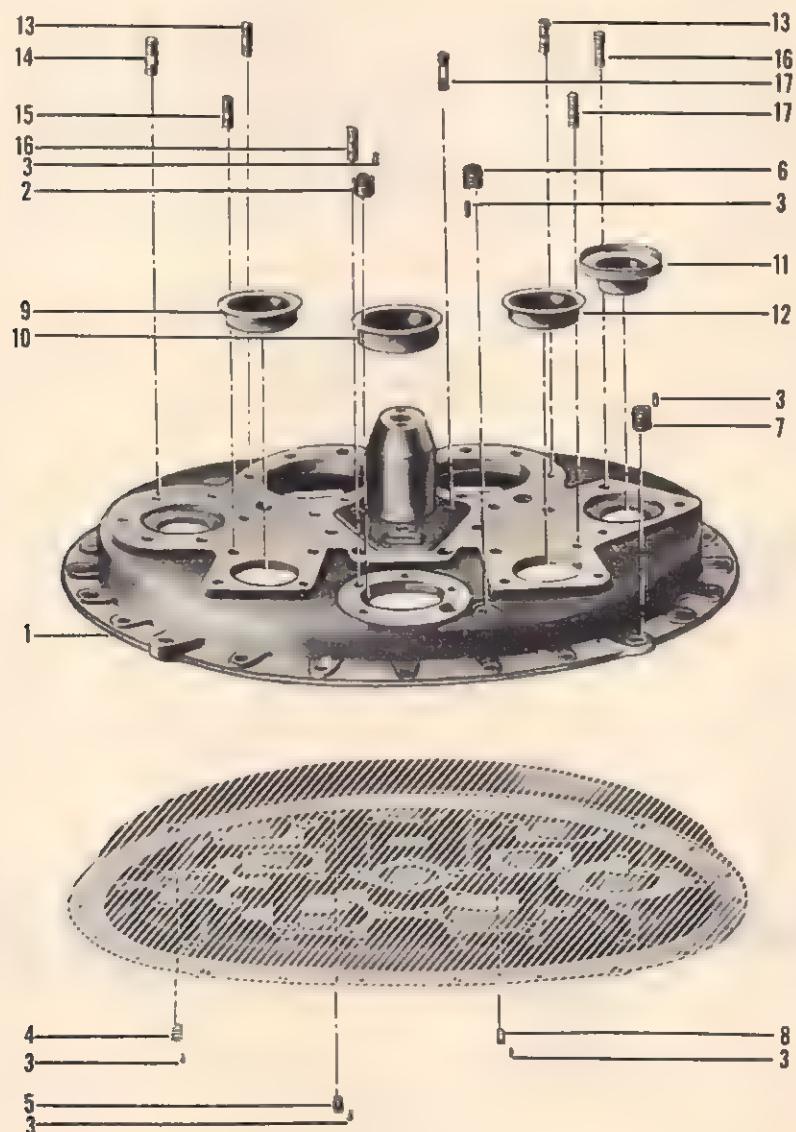


Figure 14—Gear Front Casing Assembly

RESTRICTED



Figure 15—Gear-Rear Casing Assembly

| Figure and Index No. | Part Number | 1 | 2 | 3 | 4 | 5 | 6 | 7 | Nomenclature | Usage Code | Units per Assy |
|----------------------------|-------------|---|---|---|---|---|---|---|--------------|---------------|----------------------|
|----------------------------|-------------|---|---|---|---|---|---|---|--------------|---------------|----------------------|

GEAR FRONT CASING ASSY (FIG. 14)—Continued

| | | | |
|-------|-----------|---------------------------------------|----|
| 14-10 | 8439753 | Housing—Accessory drive front bearing | 1 |
| 14-11 | 8439060 | Housing—Fuel pump drive front bearing | 1 |
| 14-12 | 8402725 | Housing—Governor drive front bearing | 1 |
| 14-13 | 6688893-2 | Stud | 10 |
| 14-14 | 6688893-5 | Stud | 6 |
| 14-15 | 6688995 | Stud | 4 |
| 14-16 | 6688893-3 | Stud | 7 |
| 14-17 | 6688893-1 | Stud | 8 |

GEAR REAR CASING ASSY (FIG. 15)

| | | | |
|------|-----------|-----------------------|------|
| 10-3 | 6652954 | Casing Assy—Gear rear | Ref. |
| 15-1 | 6652954-1 | Casing—Gear rear | 1 |
| 15-2 | 8436814-1 | Bushing | 4 |
| 15-3 | 6688912-1 | Pin—Locking | 4 |

STARTING GEAR ASSY (FIG. 16)

| | | | |
|-------|---------|----------------------|------|
| 11-19 | 8439702 | Gear Assy—Starting | Ref. |
| 16-1 | 8437164 | Gear—Starting | 1 |
| 16-2 | 8480370 | Shaft—Starting gear | 1 |
| 16-3 | 8436887 | Washer—Starting gear | 1 |

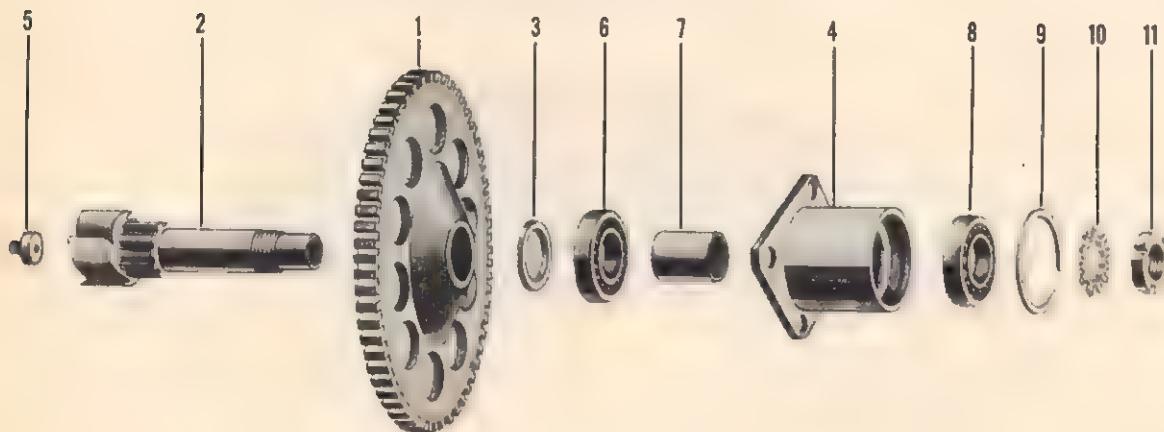


Figure 16—Starting Gear Assembly

RESTRICTED

| Figure and Index No. | Part Number | 1 2 3 4 5 6 7 | Nomenclature | Usage Code | Units per Assy |
|----------------------------|-------------|---------------|--------------|---------------|----------------------|
|----------------------------|-------------|---------------|--------------|---------------|----------------------|

STARTING GEAR ASSY (FIG. 16)—Continued

| | | | | | |
|-------|--------------|--|--|--|---|
| 16-4 | 8402953 | | Housing—Starting gear bearing | | 1 |
| 16-5 | 6688891 | | Nozzle—Starting gear shaft | | 1 |
| 16-6 | MRC104SABEC3 | | Bearing—Ball (Marlin Rockwell Co., Jamestown, N. Y.) | | 1 |
| 16-7 | 6688883P4 | | Spacer—Reduction gear | | 1 |
| 16-8 | ND-Q-R12x5 | | Bearing—Ball (New Departure Co., Bristol, Conn.) | | 1 |
| 16-9 | MRC-B-25 | | Ring—Snap (Wallace Barnes Co., Bristol, Conn.) | | 1 |
| 16-10 | 8461624 | | Washer—Starting gear shaft lock | | 1 |
| 16-11 | 8461625 | | Nut—Starting gear shaft lock | | 1 |

CLUTCH ASSY (FIG. 17)

| | | | | | |
|------|-----------|--|-------------------------|--|------|
| 12-8 | 8439703 | | Clutch Assy | | Ref. |
| 17-1 | 8437168 | | Pinion—First reductions | | 1 |
| 17-2 | 8436889 | | Block—Clutch | | 3 |
| 17-3 | 8436891 | | Pin—Clutch block | | 3 |
| 17-4 | 8461559 | | Spacer—Clutch pawl | | 3 |
| 17-5 | 8436888 | | Pawl—Clutch | | 3 |
| 17-6 | 8436890 | | Pin—Clutch pawl | | 3 |
| 17-7 | AN380C2-2 | | Pin—Cotter | | 3 |
| 17-8 | 8461560 | | Spring—Clutch | | 3 |

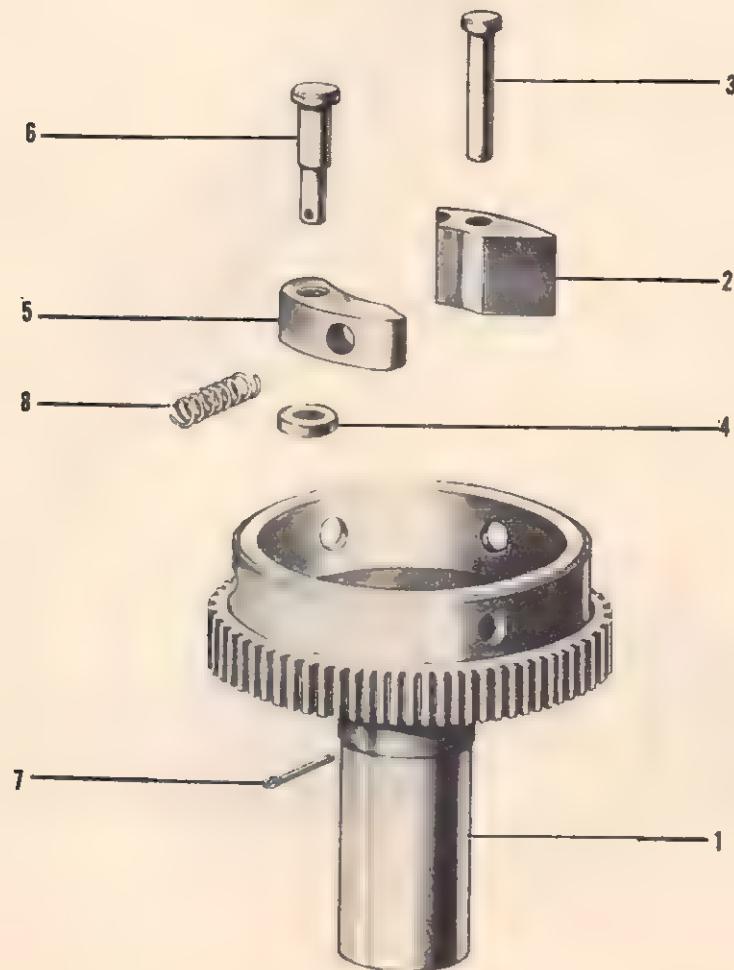


Figure 17—Clutch Assembly

RESTRICTED

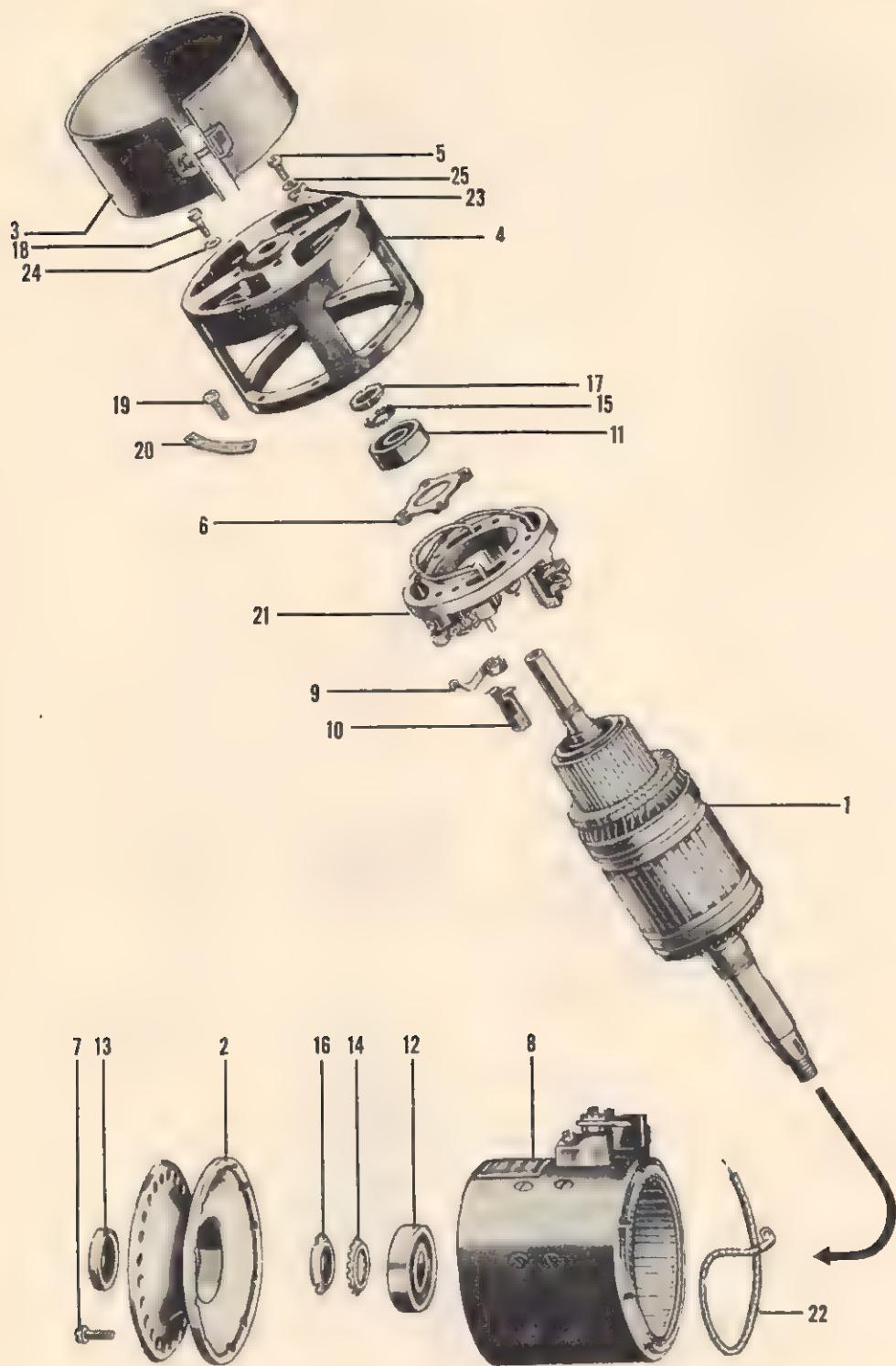


Figure 18—Exploded View of Starter Assembly

| Figure and Index •No. | Part Number | 1 | 2 | 3 | 4 | 5 | 6 | 7 | Nomenclature | Usage Code | Units per Assy |
|-----------------------------|-------------|---|---|---|---|---|---|---|--------------|---------------|----------------------|
|-----------------------------|-------------|---|---|---|---|---|---|---|--------------|---------------|----------------------|

STARTER (FIG. 18)

| | | | | | | | | | | | |
|-------|------------|--|--|--|--|--|--|--|--|--|------|
| 9-3A | 8439705 | | | | | | | | | | Ref. |
| 18-1 | 6652634G1 | | | | | | | | | | 1 |
| 18-2 | 8433018P2 | | | | | | | | | | 1 |
| 18-3 | 8433010G2 | | | | | | | | | | 1 |
| 18-4 | 8433019G2 | | | | | | | | | | 1 |
| 18-5 | 8420216 | | | | | | | | | | 4 |
| 18-6 | 8418939 | | | | | | | | | | 1 |
| 18-7 | 6627885 | | | | | | | | | | 12 |
| 18-8 | 6628647G1 | | | | | | | | | | 1 |
| 18-9 | 8419154 | | | | | | | | | | 4 |
| 18-10 | 8433172G1 | | | | | | | | | | 4 |
| 18-11 | 2CM42B3P24 | | | | | | | | | | 1 |
| 18-12 | 2CM42B3P23 | | | | | | | | | | 1 |
| 18-13 | 2CM42B3P14 | | | | | | | | | | 1 |
| 18-14 | 2CM42B3P38 | | | | | | | | | | 1 |
| 18-15 | 2CM42B3P39 | | | | | | | | | | 1 |
| 18-16 | 6621205 | | | | | | | | | | 1 |
| 18-17 | 8418960 | | | | | | | | | | 1 |
| 18-18 | 8418892 | | | | | | | | | | 4 |
| 18-19 | 8465006 | | | | | | | | | | 8 |
| 18-20 | 8419049 | | | | | | | | | | 4 |
| 18-21 | 6628645G1 | | | | | | | | | | 1 |
| 18-22 | 8419041G1 | | | | | | | | | | 2 |
| 18-23 | 6627932 | | | | | | | | | | 4 |
| 18-24 | 2CM42B3P47 | | | | | | | | | | 4 |
| 18-25 | 2CM42B3P46 | | | | | | | | | | 4 |
| | | | | | | | | | | | |

STARTING FUEL PUMP (FIG. 19)

| | | | | | | | | | | | |
|---------|------------|--|--|--|--|--|--|--|--|--|------|
| 9-7A | 1500-1B | | | | | | | | | | Ref. |
| 19-1 | D112279 | | | | | | | | | | 1 |
| 19-1A | A48432 | | | | | | | | | | 1 |
| 19-1B | B55744 | | | | | | | | | | 1 |
| 19-1C | B117790-1 | | | | | | | | | | 4 |
| 19-2 | B20504-51 | | | | | | | | | | 1 |
| 19-3 | B111450 | | | | | | | | | | 1 |
| 19-4 | B117793 | | | | | | | | | | 1 |
| 19-5 | B111449 | | | | | | | | | | 1 |
| 19-6 | B20504-14 | | | | | | | | | | 1 |
| 19-7 | AN280H404 | | | | | | | | | | 1 |
| 19-8 | A6069-1 | | | | | | | | | | 1 |
| 19-9 | AN310-6 | | | | | | | | | | 1 |
| 19-10 | AN380-3-3 | | | | | | | | | | 1 |
| 19-11 | C825962 | | | | | | | | | | 1 |
| 19-11A | B825961 | | | | | | | | | | 1 |
| 19-11A1 | B823531 | | | | | | | | | | 2 |
| 19-11B | D823532 | | | | | | | | | | 1 |
| 19-11B1 | B823531 | | | | | | | | | | 2 |
| 19-11B2 | B117790-1 | | | | | | | | | | 2 |
| 19-12 | D823981 | | | | | | | | | | 1 |
| 19-12A | B45517-103 | | | | | | | | | | 1 |
| 19-13 | B823921 | | | | | | | | | | 1 |
| 19-14 | B823920 | | | | | | | | | | 1 |
| 19-15 | AN6227-10 | | | | | | | | | | 1 |
| 19-16 | B823919 | | | | | | | | | | 1 |
| 19-17 | B823912 | | | | | | | | | | 1 |
| 19-18 | B825644 | | | | | | | | | | 1 |
| 19-19 | B825643 | | | | | | | | | | 1 |
| 19-20 | B823910 | | | | | | | | | | 1 |
| 19-21 | B71536 | | | | | | | | | | 1 |
| 19-22 | B825642 | | | | | | | | | | 1 |
| 19-23 | B823982 | | | | | | | | | | 1 |
| 19-24 | B51057 | | | | | | | | | | 1 |
| 19-25 | B81611 | | | | | | | | | | 4 |
| 19-26 | AN365-428 | | | | | | | | | | 4 |
| 19-27 | C117789 | | | | | | | | | | 1 |
| 19-25 | B81611 | | | | | | | | | | 8 |
| 19-28 | B117794 | | | | | | | | | | 3 |
| 19-29 | B78528 | | | | | | | | | | 5 |
| 19-25 | B81611 | | | | | | | | | | 8 |

| Figure and Index No. | Part Number | 1 | 2 | 3 | 4 | 5 | 6 | 7 | Nomenclature | Usage Code | Units per Assy |
|---|-------------|---|---|---|---|---|---|---|--|---------------|----------------------|
| STARTING FUEL PUMP (FIG. 19)—Continued | | | | | | | | | | | |
| 19-30 | B81389 | | | | | | | | Washer (Eclipse Aviation Co., Bendix, N. J.) | | 2 |
| 19-26 | AN365-428 | | | | | | | | Nut—Self locking | | 10 |
| 19-31 | B45517-101 | | | | | | | | Pin—Dowel (Eclipse Aviation Co., Bendix, N. J.) | | 2 |
| 19-32 | B83307 | | | | | | | | Gasket—Adapter (Eclipse Aviation Co., Bendix, N. J.) | | 2 |
| 19-33 | B85280 | | | | | | | | Adapter—Tube fitting (Eclipse Aviation Co., Bendix, N. J.) | | 2 |
| 19-34 | B85281 | | | | | | | | Nut—Adapter (Eclipse Aviation Co., Bendix, N. J.) | | 2 |

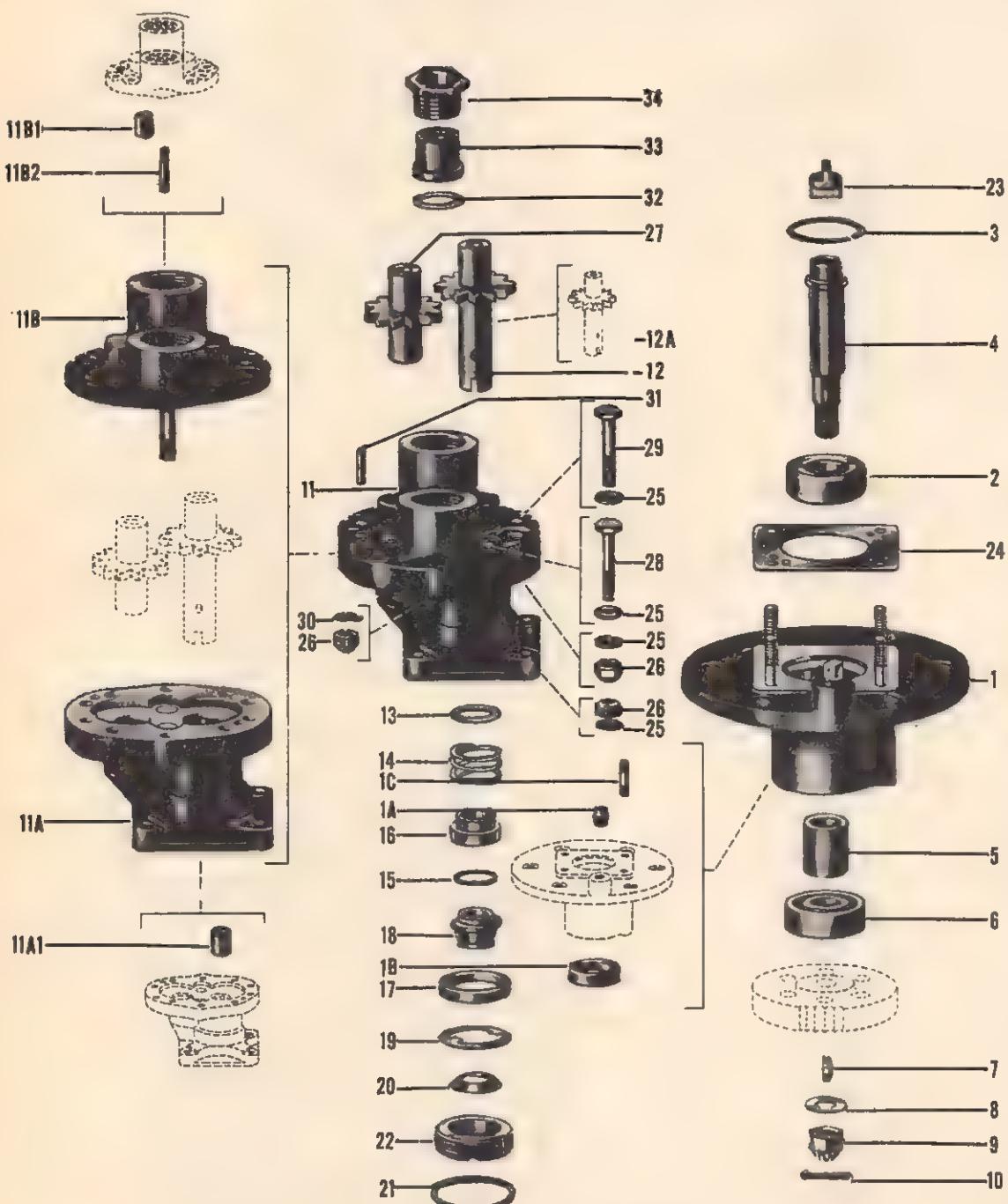


Figure 19—Exploded View of Starting Fuel Pump

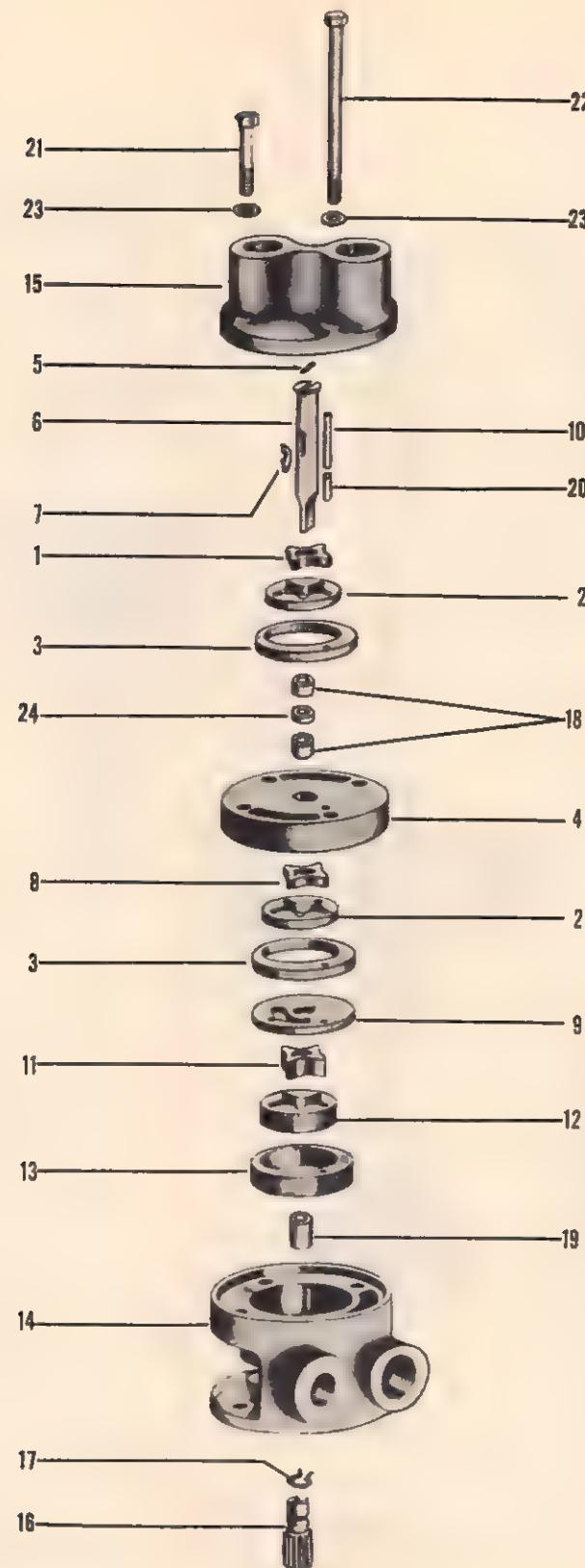


Figure 20—Exploded View of Lube and Scavenger Pump

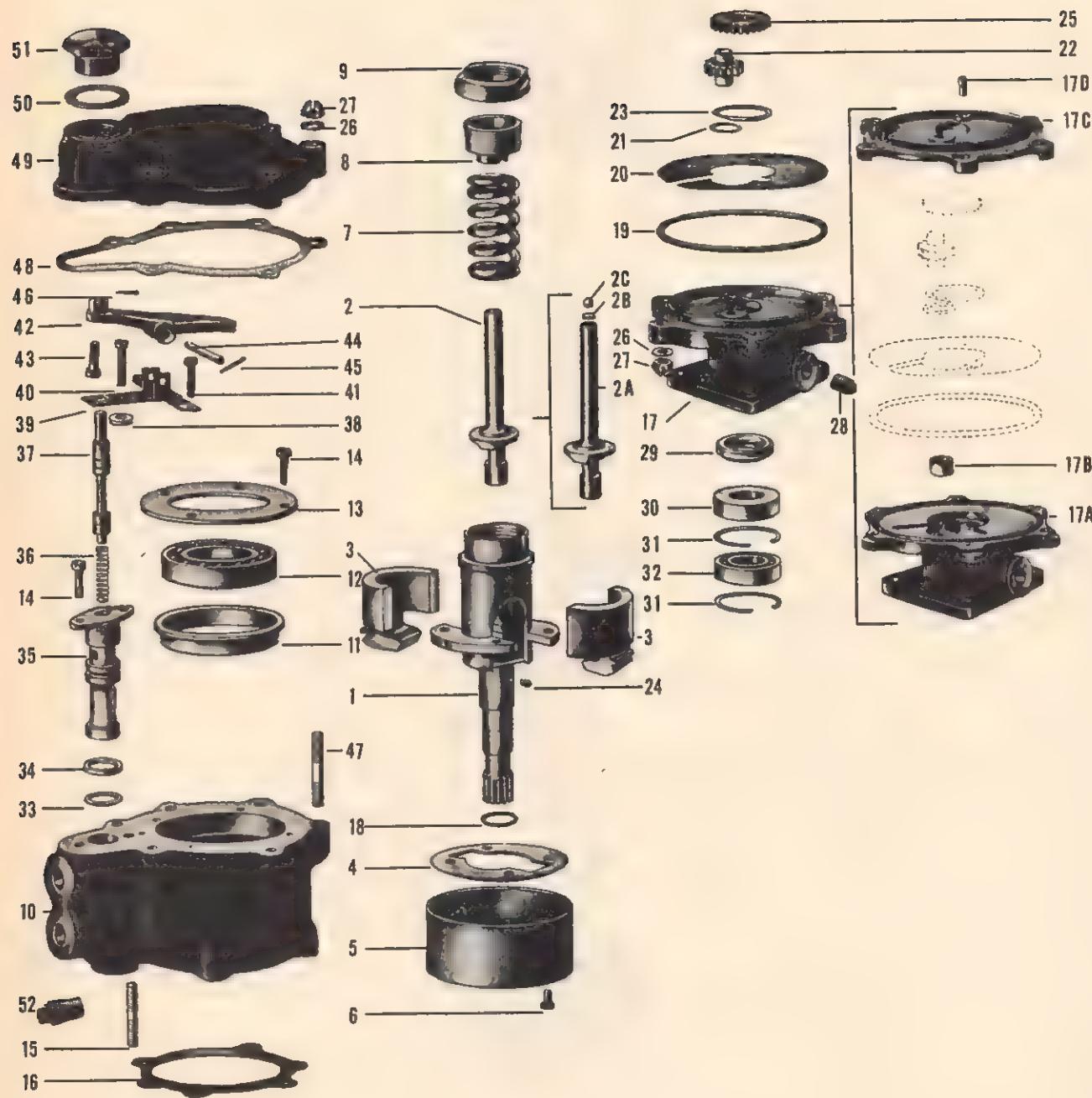


Figure 21—Exploded View of Governor Assembly

| Figure and Index No. | Part Number | 1 2 3 4 5 6 7 | Nomenclature | Usage Code | Units per Assy |
|----------------------|-------------|---------------|--------------|------------|----------------|
|----------------------|-------------|---------------|--------------|------------|----------------|

LUBE AND SCAVENGER PUMP (FIG. 20)

| | | | | | |
|-------|------------|--|---|--|------|
| 9-9 | C14C14C28B | | Pump—Lube and scavenge (W. H. Nichols and Sons, Waltham, Mass.) | | Ref. |
| 20-1 | GA786A | | Gerotor—Inner lube (W. H. Nichols and Sons, Waltham, Mass.) | | 1 |
| 20-2 | GA787B | | Gerotor—Outer No. 1 scavenge (W. H. Nichols and Sons, Waltham, Mass.) | | 1 |
| 20-3 | GA779A | | Ring—Eccentric (W. H. Nichols and Sons, Waltham, Mass.) | | 2 |
| 20-4 | CB282A | | Plate—Part (W. H. Nichols and Sons, Waltham, Mass.) | | 1 |
| 20-5 | GA782 | | Key—Lube (W. H. Nichols and Sons, Waltham, Mass.) | | 1 |
| 20-6 | GA784C | | Shaft (W. H. Nichols and Sons, Waltham, Mass.) | | 1 |
| 20-7 | GA791 | | Key—Scavenge (W. H. Nichols and Sons, Waltham, Mass.) | | 1 |
| 20-8 | GA785A | | Gerotor—Inner No. 1 scavenge (W. H. Nichols and Sons, Waltham, Mass.) | | 1 |
| 20-9 | GA781A | | Plate—Spacer (W. H. Nichols and Sons, Waltham, Mass.) | | 1 |
| 20-10 | GA783A | | Dowel (W. H. Nichols and Sons, Waltham, Mass.) | | 1 |
| 20-11 | GA788A | | Gerotor—Inner No. 2 scavenge (W. H. Nichols and Sons, Waltham, Mass.) | | 1 |
| 20-12 | GA789B | | Gerotor—Outer No. 2 scavenge (W. H. Nichols and Sons, Waltham, Mass.) | | 1 |
| 20-13 | GA780A | | Ring—Eccentric (W. H. Nichols and Sons, Waltham, Mass.) | | 1 |
| 20-14 | GC180C | | Body (W. H. Nichols and Sons, Waltham, Mass.) | | 1 |
| 20-15 | GC181C | | Head (W. H. Nichols and Sons, Waltham, Mass.) | | 1 |
| 20-16 | GA792B | | Drive—Spline (W. H. Nichols and Sons, Waltham, Mass.) | | 1 |
| 20-17 | GA790 | | Ring—Snap (W. H. Nichols and Sons, Waltham, Mass.) | | 1 |
| 20-18 | GA821C | | Bushing—Part plate (W. H. Nichols and Sons, Waltham, Mass.) | | 2 |
| 20-19 | GA401B | | Bushing—Shaft (W. H. Nichols and Sons, Waltham, Mass.) | | 1 |
| 20-20 | GA889 | | Dowel (W. H. Nichols and Sons, Waltham, Mass.) | | 1 |
| 20-21 | AN75A14 | | Bolt—Body | | 3 |
| 20-22 | AN75-40 | | Bolt—Long body | | 1 |
| 20-23 | AN960-516 | | Washer | | 4 |
| 20-24 | AN6227-10 | | Packing—“O” ring | | 1 |

GOVERNOR (FIG. 21)

| | | | | | |
|--------|-------------|--|--|--|------|
| 9-13 | 7HGL16B2 | | Governor Assy | | Ref. |
| 21-1 | 8439655 | | Body | | 1 |
| 21-2 | 8439256 | | Spindle Assy | | 1 |
| 21-2A | 6688824 | | Spindle | | 1 |
| 21-2B | 8461547 | | Seat | | 1 |
| 21-2C | 8468653 | | Ball | | 1 |
| 21-3 | 6652811 | | Weight | | 2 |
| 21-4 | 6688825 | | Edge—Knife | | 1 |
| 21-5 | 6688822 | | Guard | | 1 |
| 21-6 | AN501A10-6 | | Screw | | 4 |
| 21-7 | 6688840 | | Spring—Spindle | | 1 |
| 21-8 | 6688831 | | Nut—Spring | | 1 |
| 21-9 | 6688832 | | Nut—Spring lock | | 1 |
| 21-10 | 8439635 | | Casing | | 1 |
| 21-11 | 6688829 | | Housing—Bearing | | 1 |
| 21-12 | 107S | | Bearing—Ball (Marlin Rockwell Corp., Jamestown, N. Y.) | | 1 |
| 21-13 | 6688830 | | Plate—Locking | | 1 |
| 21-14 | AN500A10-10 | | Screw | | 3 |
| 21-15 | 6688847 | | Stud—Rear | | 6 |
| 21-16 | 6688845 | | Gasket—Plate | | 1 |
| 21-17 | 8439780 | | Casing and Plate Assy | | 1 |
| 21-17A | 8439654 | | Casing—Governor pump | | 1 |
| 21-17B | 8468664 | | Bushing | | 1 |
| 21-17C | 8439815 | | Plate | | 1 |
| 21-17D | 6688850 | | Dowel | | 2 |
| 21-18 | F6-8236A | | “O” Ring (Chicago Rawhide Mfg. Co., Chicago, Ill.) | | 1 |
| 21-19 | AN6230-16 | | Gasket—“O” Ring | | 1 |
| 21-20 | 8468743 | | Gasket—Casing | | 1 |
| 21-21 | 6688836 | | Washer—Gear | | 1 |
| 21-22 | 8439782 | | Pinion | | 1 |
| 21-23 | 6688835 | | Washer—Pinion | | 1 |
| 21-24 | 6688849 | | Key | | 1 |

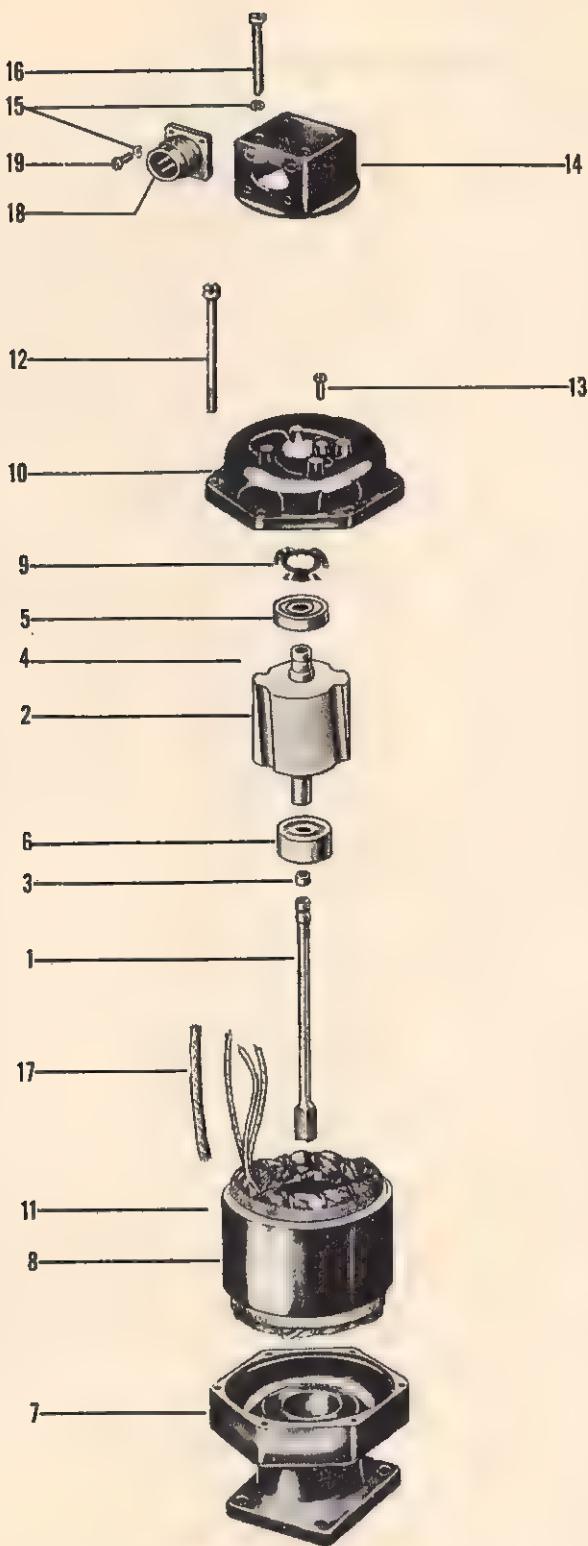


Figure 22—Exploded View of Tachometer Assembly

| Figure and Index No. | Part Number | 1 2 3 4 5 6 7 | Nomenclature | Usage Code | Unit per Assy |
|----------------------|-------------|---------------|--------------|------------|---------------|
|----------------------|-------------|---------------|--------------|------------|---------------|

GOVERNOR (FIG. 21)—Continued

| | | | | | |
|-------|-------------|--|---|--|----|
| 21-25 | 8439783 | | Gear | | 1 |
| 21-26 | AN960C416 | | Washer | | 12 |
| 21-27 | AN310-4 | | Nut | | 12 |
| 21-28 | 1604-40 | | Plug—Plastic (S. S. White Co., 10 E. 40th St., New York, N. Y.) | | 1 |
| 21-29 | 8468256 | | Ring—Seal mating | | 1 |
| 21-30 | FA8236B | | Seal—Oil (Chicago Rawhide Mfg. Co., Chicago, Ill.) | | 1 |
| 21-31 | 2 | | Ring—Snap (Eaton Mfg. Co., Massillon, Ohio) | | 2 |
| 21-32 | 103KR | | Bearing—Ball (Marlin Rockwell Corp., Jamestown, N. Y.) | | 1 |
| 21-33 | AN6227-11 | | "O" Ring | | 1 |
| 21-34 | AN902-8 | | Gasket | | 1 |
| 21-35 | 8439633 | | Cylinder | | 1 |
| 21-36 | 6688843 | | Spring—Valve | | 1 |
| 21-37 | 8468240 | | Valve | | 1 |
| 21-38 | 6688837 | | Spacer | | 1 |
| 21-39 | 8439634 | | Fulcrum | | 1 |
| 21-40 | AN500A10-14 | | Screw | | 1 |
| 21-41 | AN500A10-12 | | Screw | | 1 |
| 21-42 | 8439607 | | Lever | | 2 |
| 21-43 | 8468222 | | Screw—Adjusting | | 1 |
| 21-44 | 6688839 | | Pin | | 1 |
| 21-45 | AN380C2-2 | | Pin—Cotter | | 2 |
| 21-46 | AN380C1-1 | | Pin—Cotter | | 1 |
| 21-47 | 6688848 | | Stud—Front | | 6 |
| 21-48 | 6688844 | | Gasket—Cover | | 1 |
| 21-49 | 8439606 | | Cover | | 1 |
| 21-50 | AN901-12A | | Gasket | | 1 |
| 21-51 | 8468221 | | Plug | | 1 |
| 21-52 | 1604-41 | | Plug—Plastic (S. S. White Co., 10 E. 40th St., New York, N. Y.) | | 1 |

TACHOMETER GENERATOR (FIG. 22)

| | | | | | |
|-------|------------|--|--|--|------|
| 9-15 | 2CM5ACF | | Generator—Tachometer | | Ref. |
| 22-1 | 4141196 | | Key—Shaft | | 1 |
| 22-2 | 4141324 | | Rotor Assy—4 pole | | 1 |
| 22-3 | 4141471 | | Ring—Oil seal | | 2 |
| 22-4 | 4141199 | | Pin | | 1 |
| 22-5 | 4149471 | | Bearing—Ball | | 1 |
| 22-6 | 4149470 | | Bearing—Ball | | 1 |
| 22-7 | 4142138 | | Shield—End (drive end) | | 1 |
| 22-8 | 1299896 | | Stator Assy | | 1 |
| 22-9 | 4141419 | | Spring—Adjusting | | 1 |
| 22-10 | 4149512 | | Shield—End (receptacle end) | | 1 |
| 22-11 | 4141375 | | Pin—Locating | | 1 |
| 22-12 | 4149970 | | Screw—Seal | | 6 |
| 22-13 | Commercial | | Screw (fillister head, machine No. 4, 48 x 1/4 in. long) | | 2 |
| 22-14 | 4145553 | | Box—Junction | | 1 |
| 22-15 | Z60824 | | Washer—Lock | | 10 |
| 22-16 | 4141327 | | Screw | | 4 |
| 22-17 | 4152458 | | Sleeving | | 3 |
| 22-18 | 4145623 | | Receptacle | | 1 |
| 22-19 | 4152388 | | Screw—Seal | | 8 |

ACCESSORIES PIPING ASSY (FIGS. 23 AND 24)

| | | | | | |
|-------|--------------|--|--|--|------|
| 9-20 | 8439690 | | Piping Assy—Accessories | | Ref. |
| 23-1 | AN913-1D | | Plug | | 1 |
| 23-2 | AN902-12 | | Gasket | | 1 |
| 23-3 | AN924-12 | | Nut—Check | | 1 |
| 23-4 | 8439777 | | Fitting—Fuel pump | | 1 |
| 23-5 | AN822-16-12D | | Elbow | | 1 |
| 23-6 | 1604-227 | | Cap—Plastic (S. S. White Co., 10 E. 40th St., New York, N. Y.) | | 1 |
| 23-7 | AN822-6D | | Elbow | | 1 |
| 23-8 | 8439956 | | Tube Assy | | 1 |
| 23-9 | AN822-6 | | Elbow | | 1 |
| 23-10 | AN823-8D | | Elbow | | 1 |
| 23-11 | 8439955 | | Tube | | 1 |
| 23-12 | AN824-8D | | Tee | | 1 |
| 23-13 | 8439953 | | Tube Assy | | 1 |

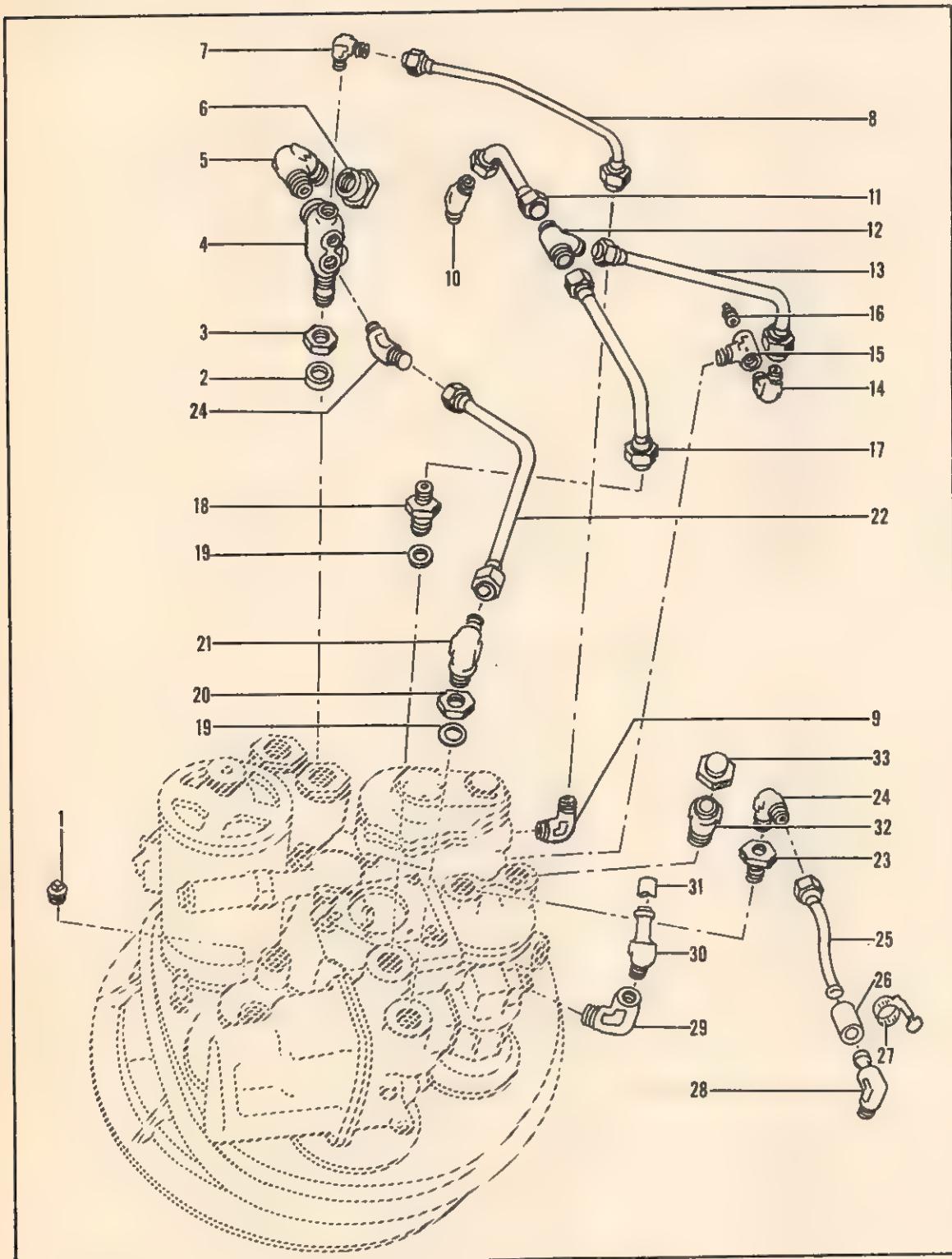


Figure 23—Accessories Piping Assembly Part I

| Figure and Index No. | Part Number | 1 | 2 | 3 | 4 | 5 | 6 | 7 | Nomenclature | Usage Code | Units per Assy |
|---|-------------|---|---|---|---|---|---|---|--|---------------|----------------------|
| ACCESSORIES PIPING ASSY (FIG. 23 AND 24)—Continued | | | | | | | | | | | |
| 23-14 | AN822-8D | | | | | | | | Elbow | | 1 |
| 23-15 | 8439730 | | | | | | | | Tee | | 1 |
| 23-16 | 1604-42 | | | | | | | | Plug—Plastic (S. S. White Co., 10 E. 40th St., New York, N. Y.) | | 1 |
| 23-17 | 8439954 | | | | | | | | Tube Assy | | 1 |
| 23-18 | AN815-8D | | | | | | | | Union | | 1 |
| 23-19 | AN902-8 | | | | | | | | Gasket | | 2 |
| 23-20 | AN924-8D | | | | | | | | Nut—Lock | | 1 |
| 23-21 | AN833-8D | | | | | | | | Elbow | | 1 |
| 23-22 | 8439952 | | | | | | | | Tube Assy | | 1 |
| 23-23 | AN912-4D | | | | | | | | Bushing | | 1 |
| 23-24 | AN822-8D | | | | | | | | Elbow | | 1 |
| 23-25 | 8439961 | | | | | | | | Tube Assy | | 1 |
| 23-26 | AN878-8-9 | | | | | | | | Hose | | 1 |
| 23-27 | AN748-30 | | | | | | | | Clamp | | 1 |
| 23-28 | AN842-8D | | | | | | | | Elbow | | 1 |
| 23-29 | AN914-4D | | | | | | | | Elbow | | 1 |
| 23-30 | AN844-10D | | | | | | | | Elbow | | 1 |
| 23-31 | No Number | | | | | | | | Cap-Cel-O-Seal (16 mm. x 30 mm., Armstrong Cork Co., Lancaster, Pa.) | | 1 |
| 23-32 | AN823-12 | | | | | | | | Elbow | | 1 |
| 23-33 | 1604-229 | | | | | | | | Cap—Plastic (S. S. White Co., 10 E. 40th St., New York, N. Y.) | | 1 |
| 24-1 | 8439762 | | | | | | | | Bracket Assy—Barometric value | | 1 |
| 24-2 | 7HV16B2 | | | | | | | | Barometric—Valve Assy (See fig. 28) | | 1 |
| 24-3 | AN4-4 | | | | | | | | Bolt | | 2 |
| 24-4 | AN310-4 | | | | | | | | Nut | | 2 |
| 24-5 | AN75-4 | | | | | | | | Bolt | | 1 |
| 24-6 | 8468281 | | | | | | | | Adapter—Pressure transmitter | | 1 |
| 24-7 | AN960C6 | | | | | | | | Washer | | 3 |
| 24-8 | AN21-12 | | | | | | | | Bolt—Clevis | | 3 |
| 24-9 | AN320-1 | | | | | | | | Nut | | 3 |
| 24-10 | AN912-3D | | | | | | | | Bushing—Reducing | | 1 |
| 24-11 | AN822-4 | | | | | | | | Elbow | | 1 |
| 24-12 | 8439963 | | | | | | | | Tube Assy | | 1 |
| 24-13 | AN816-4 | | | | | | | | Nipple | | 1 |
| 24-14 | 7HVR16A2 | | | | | | | | Valve—Check and relief (See fig. 25) | | 1 |
| 24-15 | AN902-8 | | | | | | | | Gasket | | 1 |
| 24-16 | AN924-8D | | | | | | | | Nut—Lock | | 1 |
| 24-17 | 8439962 | | | | | | | | Tube Assy | | 1 |
| 24-18 | AN826-4D | | | | | | | | Tee | | 1 |
| 24-19 | AN912-2D | | | | | | | | Bushing—Reducing | | 1 |
| 24-20 | AN816-6 | | | | | | | | Nipple | | 1 |
| 24-21 | 8439943 | | | | | | | | Tube Assy | | 1 |
| 24-22 | AN816-6D | | | | | | | | Nipple | | 1 |
| 24-23 | AN826-4D | | | | | | | | Tee | | 1 |
| 24-24 | 1604-167 | | | | | | | | Cap—Plastic (S. S. White Co., 10 E. 40th St., New York, N. Y.) | | 1 |
| 24-25 | 8439957 | | | | | | | | Tube Assy | | 1 |
| 24-26 | AN844-8D | | | | | | | | Elbow | | 1 |
| 24-27 | AN914-3D | | | | | | | | Elbow | | 1 |
| 24-28 | AN878-8-9 | | | | | | | | Hose | | 1 |
| 24-29 | AN748-30 | | | | | | | | Clamp | | 2 |
| 24-30 | 8439945 | | | | | | | | Tube Assy | | 1 |
| 24-31 | AN823-8 | | | | | | | | Elbow | | 1 |
| 24-32 | 7HVL16A1 | | | | | | | | Valve—Lube relief (See fig. 27) | | 1 |
| 24-33 | AN816-8 | | | | | | | | Nipple | | 1 |
| 24-34 | 1604-182 | | | | | | | | Cap—Plastic (S. S. White Co., 10 E. 40th St., New York, N. Y.) | | 1 |
| 24-35 | AN823-8 | | | | | | | | Elbow | | 1 |
| 24-36 | 1604-181 | | | | | | | | Cap—Plastic (S. S. White Co., 10 E. 40th St., New York, N. Y.) | | 1 |
| 24-37 | 1604-40 | | | | | | | | Plug—Plastic (S. S. White Co., 10 E. 40th St., New York, N. Y.) | | 1 |
| 24-38 | AN912-3D | | | | | | | | Bushing—Reducing | | 1 |
| 24-39 | G159J21 | | | | | | | | Filter—Lube oil (See fig. 26) (Purolator Co., 91 Empire St., Newark, N. J.) | | 1 |
| 24-40 | 8439630 | | | | | | | | Strap Assy—Filter | | 1 |
| 24-41 | AN960C10 | | | | | | | | Washer | | 2 |
| 24-42 | AN3-6 | | | | | | | | Bolt | | 1 |
| 24-43 | AN310-3 | | | | | | | | Nut—Castle | | 1 |
| 24-44 | AN380C2-2 | | | | | | | | Pin—Cotter | | 1 |
| 24-45 | 8439631 | | | | | | | | Bracket Assy | | 1 |
| 24-46 | AN960C10 | | | | | | | | Washer | | 2 |
| 24-47 | AN73-3 | | | | | | | | Bolt | | 2 |

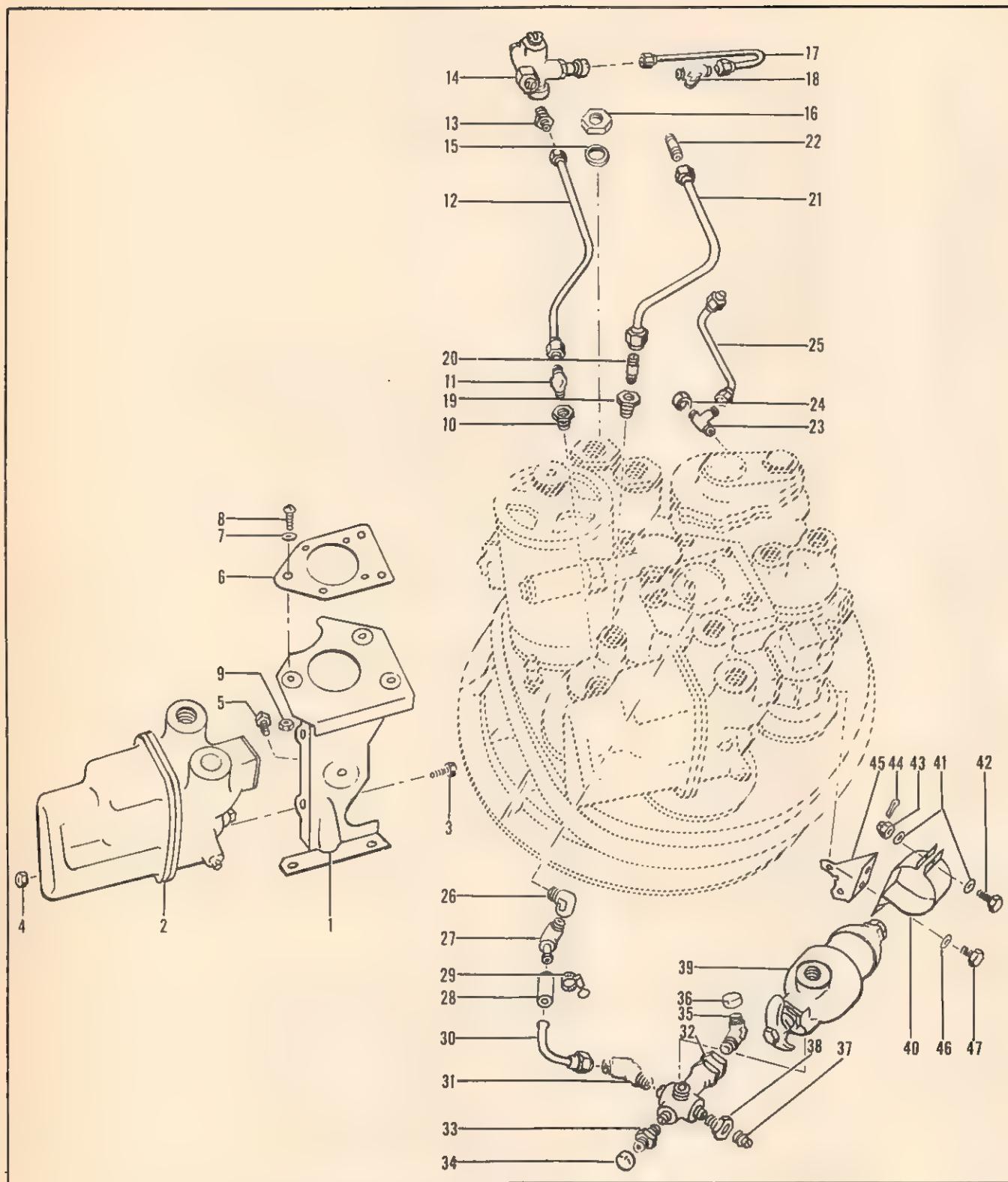


Figure 24—Accessories Piping Assembly Part II

| Figure and Index No. | Part Number | 1 2 3 4 5 6 7 | Nomenclature | Usage Code | Units per Assy |
|--|-------------|---------------|---|------------|----------------|
| CHECK AND RELIEF VALVE ASSY (FIG. 25) | | | | | |
| 24-14 | 7HVR16A2 | | Valve Assy—Check and Relief | | Ref. |
| 25-1 | 8468646 | | Ball | | 2 |
| 25-2 | 8439991 | | Body | | 1 |
| 25-3 | 8468607 | | Spring—Check valve | | 1 |
| 25-4 | 6688938-5 | | Gasket | | 2 |
| 25-5 | 8468172 | | Plug—Check valve | | 1 |
| 25-6 | 8468295 | | Spring—Relief valve | | 1 |
| 25-7 | 8468173 | | Nut | | 1 |
| 25-8 | 1604-167 | | Cap—Plastic (S. S. White Co., 10 E. 40th St., New York, N. Y.) | | 1 |
| 25-9 | 1604-40 | | Plug—Plastic (S. S. White Co., 10 E. 40th St., New York, N. Y.) | | 1 |
| 25-10 | 1604-181 | | Cap—Plastic (S. S. White Co., 10 E. 40th St., New York, N. Y.) | | 1 |
| 25-11 | 1604-42 | | Plug—Plastic (S. S. White Co., 10 E. 40th St., New York, N. Y.) | | 1 |

LUBE OIL FILTER (FIG. 26)

| | | | |
|-------|---------|---|------|
| 24-39 | G159J21 | Filter—Lube oil (Purolator Products Inc., 91 Empire St., Newark, N. J.) | Ref. |
| 26-1 | 25664 | Piston—Relief valve (Purolator Products Inc., Newark, N. J.) | 2 |
| 26-2 | 25663 | Spring—Relief valve (Purolator Products Inc., Newark, N. J.) | 2 |
| 26-3 | 25660 | Guide—Spring (Purolator Products Inc., Newark, N. J.) | 2 |
| 26-4 | 27383 | Head (Purolator Products Inc., Newark, N. J.) | 1 |
| 26-5 | 25665 | Seat—Valve (Purolator Products Inc., Newark, N. J.) | 2 |
| 26-6 | 25669 | Support—Packing (Purolator Products Inc., Newark, N. J.) | 1 |
| 26-7 | 27048 | Packing (Purolator Products Inc., Newark, N. J.) | 3 |

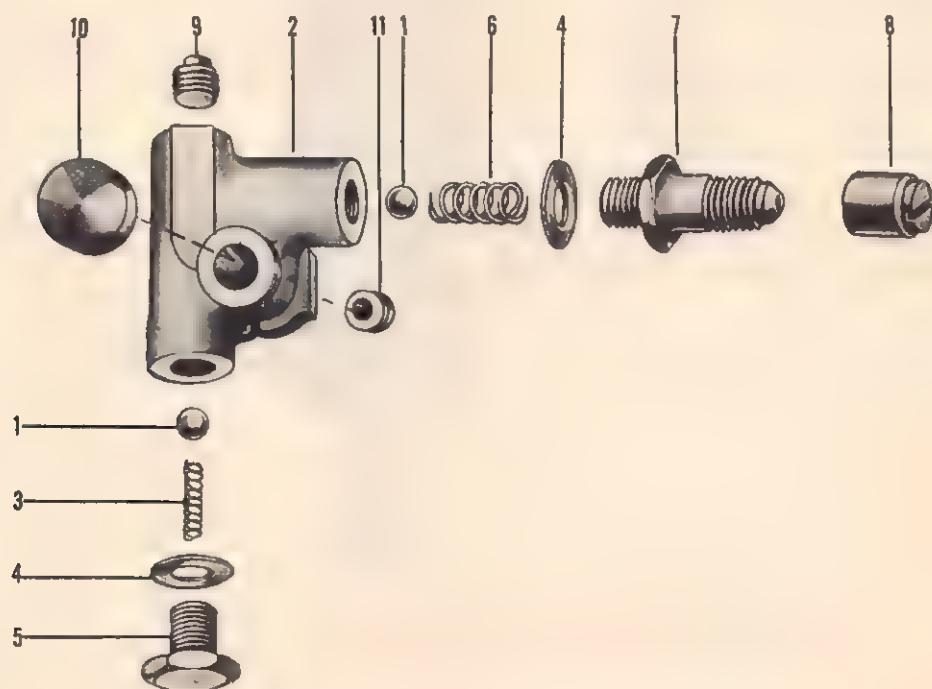


Figure 25—Exploded View of Check and Relief Valve Assembly.

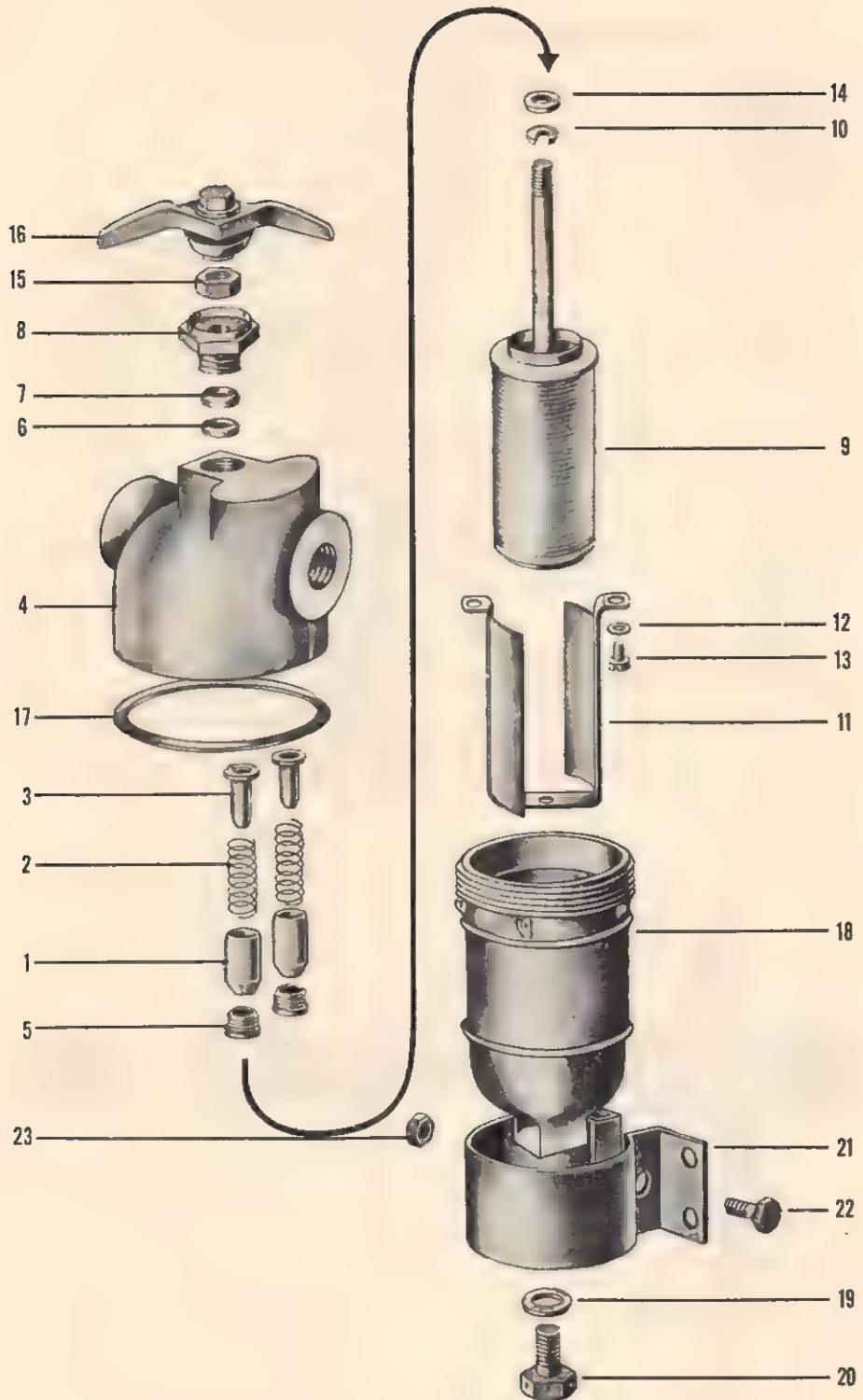


Figure 26—Exploded View of Lube Oil Filter Assembly

| Figure and Index No. | Part Number | 1 2 3 4 5 6 7 | Nomenclature | Usage Code | Units per Assy |
|--|-------------|---------------|--|------------|----------------|
| LUBE OIL FILTER (FIG. 26)—Continued | | | | | |
| 26-8 | 26488 | | Plug—Stuffing box packing (Purolator Products Inc., Newark, N. J.) | | 1 |
| 26-9 | 25444 | | Element (Purolator Products Inc., Newark, N. J.) | | 1 |
| 26-10 | 25321 | | Retainer—Drive shaft (Purolator Products Inc., Newark, N. J.) | | 1 |
| 26-11 | 25449 | | Knife-and-Frame Assy. (Purolator Products Inc., Newark, N. J.) | | 1 |
| 26-12 | 24433 | | Washer—Lock (Purolator Products Inc., Newark, N. J.) | 2 | |
| 26-13 | 25447 | | Screw (Purolator Products Inc., Newark, N. J.) | 2 | |
| 26-14 | 25320 | | Cap—Retainer (Purolator Products Inc., Newark, N. J.) | 1 | |
| 26-15 | 24335 | | Nut (Purolator Products Inc., Newark, N. J.) | 1 | |
| 26-16 | 24412 | | Handle Assy. (Purolator Products Inc., Newark, N. J.) | 1 | |
| 26-17 | AN6230-6 | | Packing—Case | | 1 |
| 26-18 | 25286 | | Case (Purolator Products Inc., Newark, N. J.) | | 1 |
| 26-19 | 25667 | | Gasket—Drain plug (Purolator Products Inc., Newark, N. J.) | | 1 |
| 26-20 | 25668 | | Plug—Drain (Purolator Products Inc., Newark, N. J.) | | 1 |
| 26-21 | 25473 | | Bracket (Purolator Products Inc., Newark, N. J.) | | 1 |
| 26-22 | 25547 | | Screw—Cap, Hex. head (Purolator Products Inc., Newark, N. J.) | | 1 |
| 26-23 | 25297 | | Nut—Lock (Purolator Products Inc., Newark, N. J.) | | 1 |

LUBE RELIEF VALVE (FIG. 27)

| | | | Ref. |
|-------|-----------|---|------|
| 24-32 | 7HV16A1 | Valve—Lube relief | |
| 27-1 | No Number | Ball (5/16 inch diam., Waterbury Steel Ball Co., Waterbury, Conn.) | 1 |
| 27-2 | 8439213 | Body | 1 |
| 27-3 | 6688780 | Spring—Relief valve | 1 |
| 27-4 | 8436955 | Gasket | 1 |
| 27-5 | 8461535 | Cap | 1 |
| 27-6 | No Number | Plug—Pipe (3/8 inch pipe thread, S. S. White Co., 10 E. 40th St., New York, N. Y.) | 4 |
| 27-7 | No Number | Cap—Cel-O-Seal (16 mm. x 30 mm., Armstrong Cork Co., 286 Congress St., Boston, Mass.) | 1 |

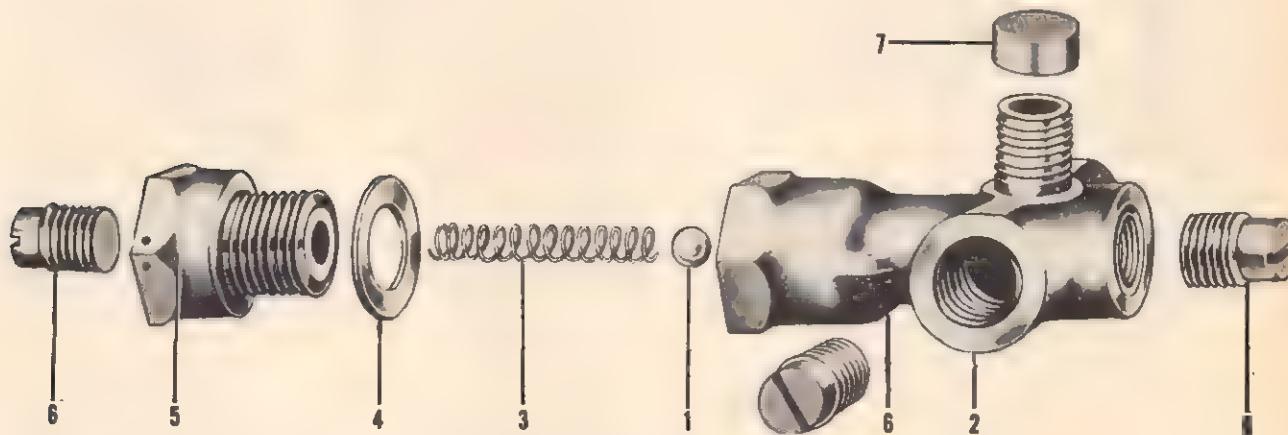


Figure 27—Exploded View of Lube Oil Relief Valve Assembly

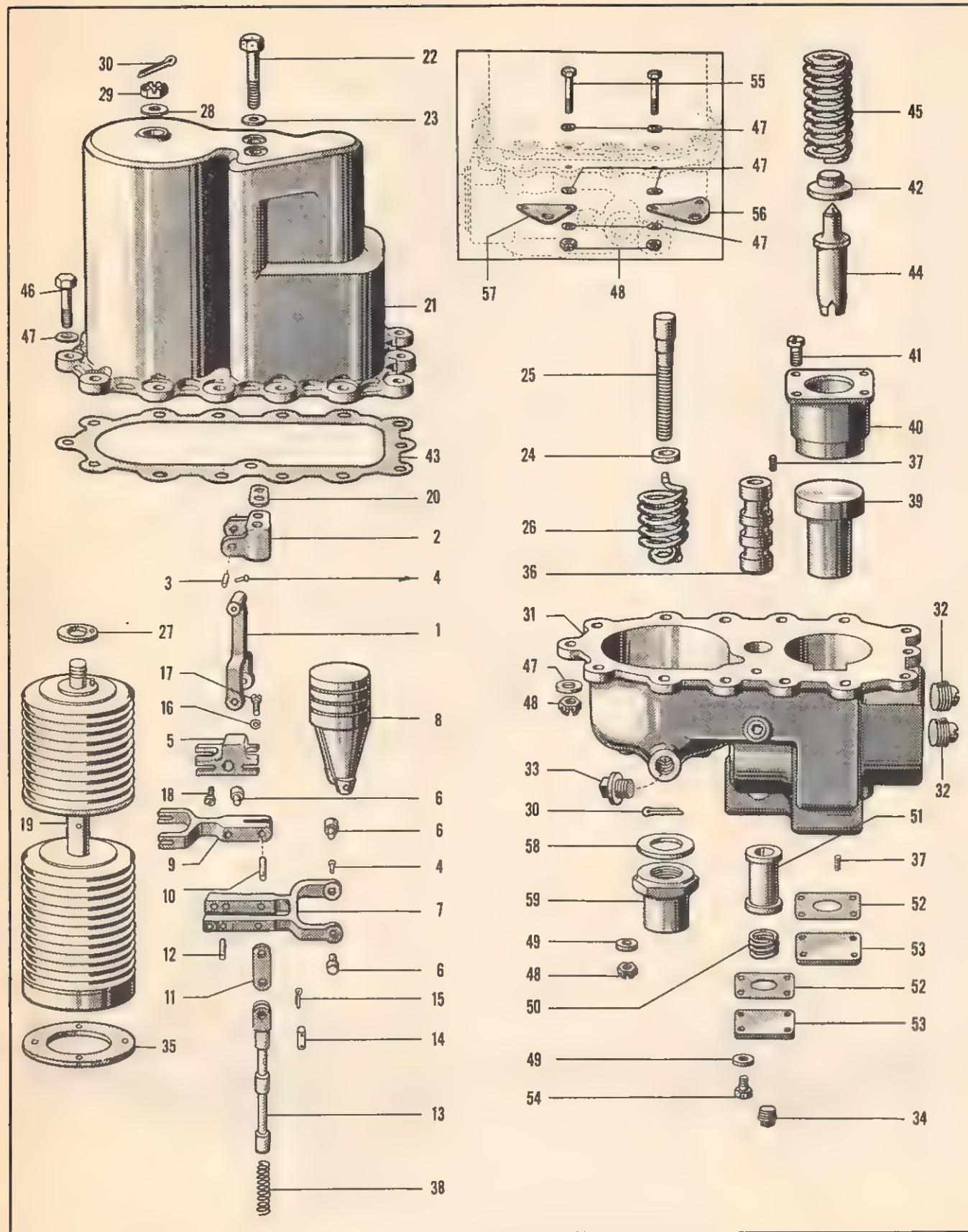


Figure 28—Exploded View of Barometric Valve Assembly

| Figure and Index No. | Part Number | 1 2 3 4 5 6 7 | Nomenclature | Usage Code | Units per Assy |
|--|-------------|---------------|---|---------------|----------------------|
| | | | | | Ref. |
| BAROMETRIC VALVE ASSY (FIG. 28) | | | | | |
| 24-2 | 7HV16B2 | | Barometric Valve Assy | | |
| 28-1 | 8439672 | | Link—Fulcrum | | 1 |
| 28-2 | 8439814 | | Support—Linkage | | 1 |
| 28-3 | 8461693 | | Pin—Support | | 1 |
| 28-4 | AN426D2-7 | | Rivet | | 3 |
| 28-5 | 8468289 | | Yoke—Pilot valve | | 1 |
| 28-6 | 8461961 | | Pin—Yoke and piston | | 4 |
| 28-7 | 8439671 | | Lever—Piston | | 1 |
| 28-8 | 8437840 | | Piston—Control | | 1 |
| 28-9 | 8437858 | | Lever—Bellows | | 1 |
| 28-10 | 8461968 | | Pin—Bellows fulcrum | | 1 |
| 28-11 | 8461962 | | Link—Pilot valve | | 1 |
| 28-12 | 8461964 | | Pin | | 1 |
| 28-13 | 8461949 | | Valve—Pilot | | 1 |
| 28-14 | 8461966 | | Pin—Pilot valve | | 1 |
| 28-15 | AN380C2-1 | | Pin—Cotter | | 2 |
| 28-16 | AN936B6 | | Washer—External teeth lock | | 2 |
| 28-17 | AN500A6-5 | | Screw | | 2 |
| 28-18 | 8468651 | | Screw | | 2 |
| 28-19 | 8439789 | | Bellows Assy (See fig. 31) | | 1 |
| 28-20 | 8495114 | | Shim—Linkage support | | |
| 28-21 | 8437837 | | Casing Assy—Upper (See figure 29) | | 1 |
| 28-22 | 8468652 | | Bolt | | 2 |
| 28-23 | 8468658 | | Washer | | 2 |
| 28-24 | 8461939 | | Washer—Spring bearing | | 1 |
| 28-25 | 8461940 | | Screw—Bellows adjusting | | 1 |
| 28-26 | 8461941 | | Spring—Bellows | | 1 |
| 28-27 | 8461945 | | Gasket—Upper bellows | | 1 |
| 28-28 | AN960C516 | | Washer—Plain | | 1 |
| 28-29 | AN320-5 | | Nut—Shear | | 1 |
| 28-30 | AN380C2-2 | | Pin—Cotter | | 2 |
| 28-31 | 8439603 | | Casing Assy—Lower (See figure 30) | | 1 |
| 28-32 | 1604-81 | | Plug—Plastic (S. S. White Dental Co., 10 E. 40th St., New York, N. Y.) | | 2 |
| 28-33 | 1604-40 | | Plug—Plastic (S. S. White Co., 10 E. 40th St., New York, N. Y.) | | 1 |
| 28-34 | AN913-1D | | Plug—Square head | | 1 |
| 28-35 | 8461943 | | Gasket—Lower bellows | | 1 |
| 28-36 | 8437833 | | Cylinder—Pilot valve | | 1 |
| 28-37 | 566A6-6 | | Screw—Set | | 2 |
| 28-38 | 8468696 | | Spring—Pilot valve | | 1 |
| 28-39 | 8468870 | | Plug—Barometric valve casing | | 1 |
| 28-40 | 8439820 | | Bushing—Barometric control valve | | 1 |
| 28-41 | 503-10-10 | | Screw—Fillister head | | 4 |
| 28-42 | 8461954 | | Holder—Spring | | 1 |
| 28-43 | 8437841 | | Gasket—Casing | | 1 |
| 28-44 | 8468680 | | Valve Assy—Control | | 1 |
| 28-45 | 8461959 | | Spring—Control valve | | 1 |
| 28-46 | AN3-7 | | Bolt | | 10 |
| 28-47 | AN960C10 | | Washer—Plain | | 32 |
| 28-48 | AN310-3 | | Nut—Castle | | 18 |
| 28-49 | AN960C10L | | Washer—Plain | | 12 |
| 28-50 | 8461796 | | Spring—Filter | | 1 |
| 28-51 | 8461797 | | Filter—Oil | | 1 |
| 28-52 | 8495057 | | Gasket—Bottom cover | | 2 |
| 28-53 | 8495058 | | Cover—Bottom | | 2 |
| 28-54 | AN73A5 | | Bolt | | 8 |
| 28-55 | AN3-10 | | Bolt | | 4 |
| 28-56 | 8468634 | | Bracket—Adapter | | 1 |
| 28-57 | 8468633 | | Bracket—Adapter | | 1 |
| 28-58 | 8461946 | | Washer—Cap | | 1 |
| 28-59 | 8461942 | | Cap—Adjusting screw | | 1 |

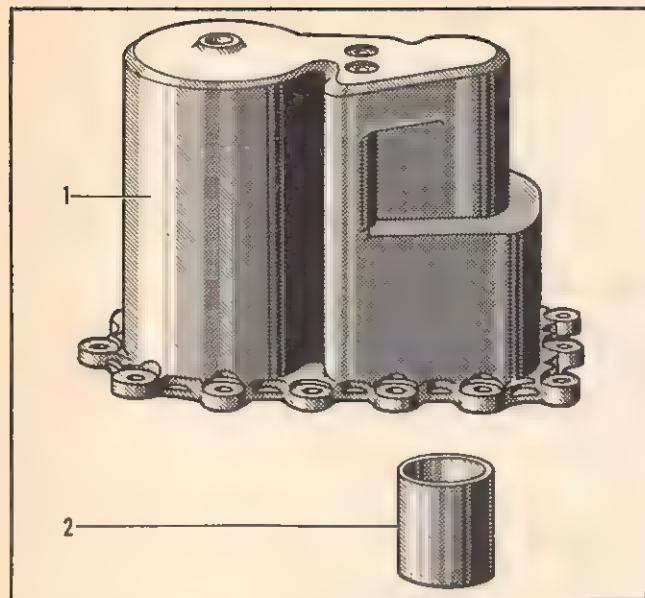


Figure 29—Barometric Valve Upper Casing Assembly

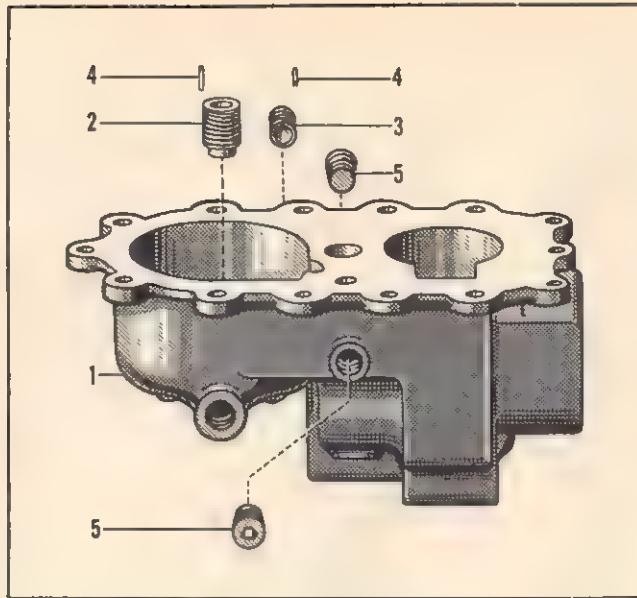


Figure 30—Barometric Valve Lower Casing Assembly

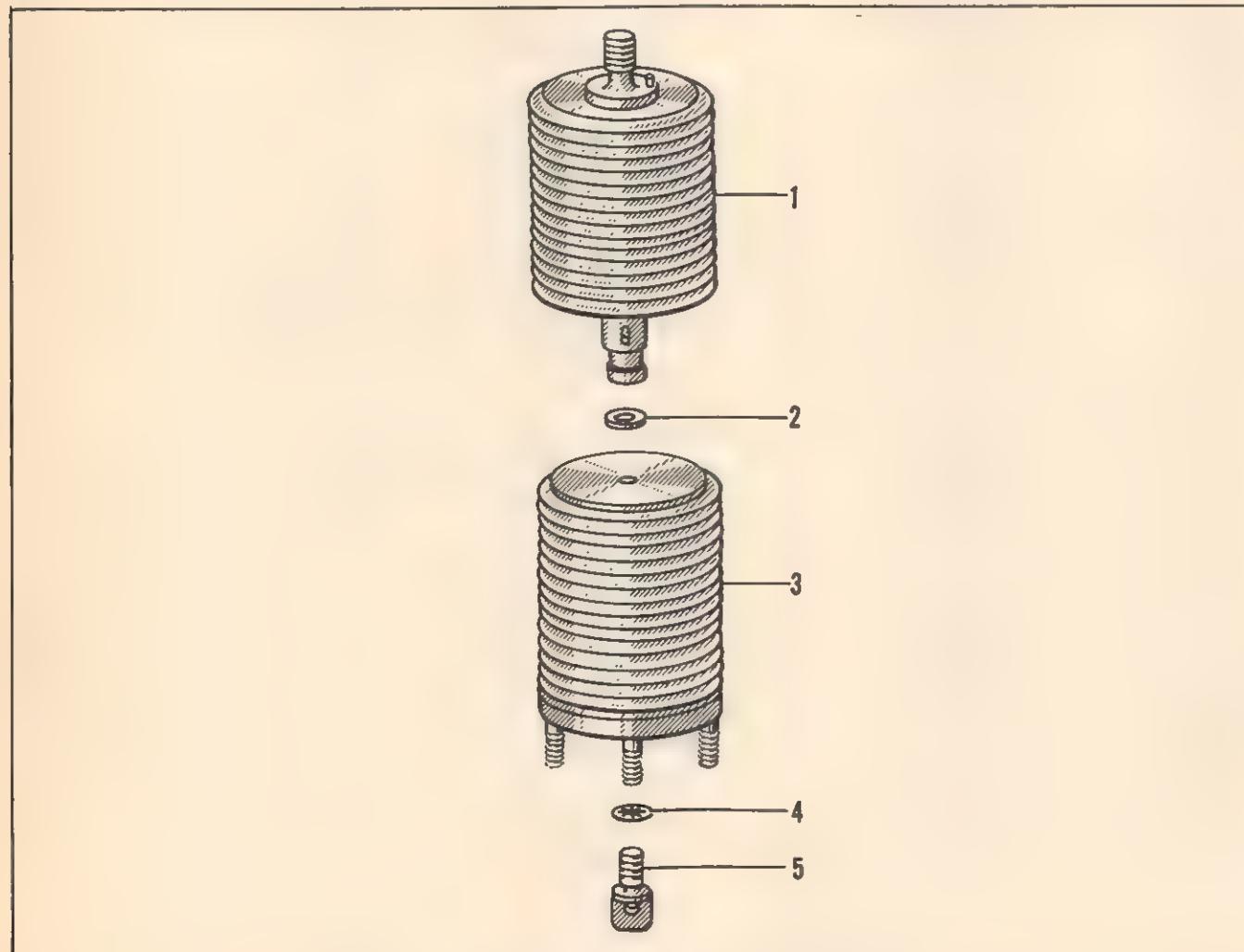


Figure 31—Barometric Valve Bellows Assembly

| Figure and Index No. | Part Number | 1 2 3 4 5 6 7 | Nomenclature | Usage Code | Units per Assy |
|--|-------------|---------------|--|------------|----------------|
| UPPER CASING ASSY (FIG. 29) | | | | | |
| 28-21 | 8437837 | | Casing Assy—Upper | | Ref. |
| 29-1 | 8437837-1 | | Casing—Upper | | 1 |
| 29-2 | 8461955 | | Liner | | 1 |
| LOWER CASING ASSY (FIG. 30) | | | | | |
| 28-31 | 8439603 | | Casing Assy—Lower | | Ref. |
| 30-1 | 8439603-1 | | Casing—Lower | | 1 |
| 30-2 | 8461944 | | Bushing | | 1 |
| 30-3 | 6652838-2 | | Bushing | | 1 |
| 30-4 | 6688912-1 | | Pin | | 2 |
| 30-5 | 3152 | | Plug (Parker Appliance Co., Cleveland, Ohio) | | 2 |
| BAROMETRIC VALVE BELLows ASSY (FIG. 31) | | | | | |
| 28-19 | 8439789 | | Bellows Assy—Barometric valve | | Ref. |
| 31-1 | 8437829 | | Bellows Assy—Top | | 1 |
| 31-2 | 8461947 | | Gasket—Lower bellows | | 1 |
| 31-3 | 8439813 | | Bellows Assy—Lower | | 1 |
| 31-4 | AN936A416 | | Washer—Lock | | 1 |
| 31-5 | 8461935 | | Screw—Bellows adjusting eye | | 1 |
| COMPRESSOR BEARING ASSY (FIG. 32) | | | | | |
| 3-4 | 8439731 | | Bearing Assy—Compressor | | Ref. |
| 32-1 | 8439697 | | Ring and Retainer Assy | | 1 |
| 32-1A | 8439387 | | Retainer—Bearing | | 1 |
| 32-1B | 8439735 | | Ring—Bearing sliding | | 1 |
| 32-2 | 6652829 | | Nut—Adjusting | | 1 |
| 32-3 | 6688858 | | Nut—Retainer | | 1 |
| COMPRESSOR BEARING SUPPORT ASSY (FIG. 33) | | | | | |
| 3-7 | 8439687 | | Support Assy—Compressor bearing | | Ref. |
| 33-1 | 8439719 | | Support Sub-Assy | | 1 |
| 33-1A | 8439750 | | Support compressor bearing | | 1 |
| 33-1B | 8439720 | | Sleeve | | 1 |
| 33-1C | 6652838-5 | | Bushing—Tapped | | 8 |

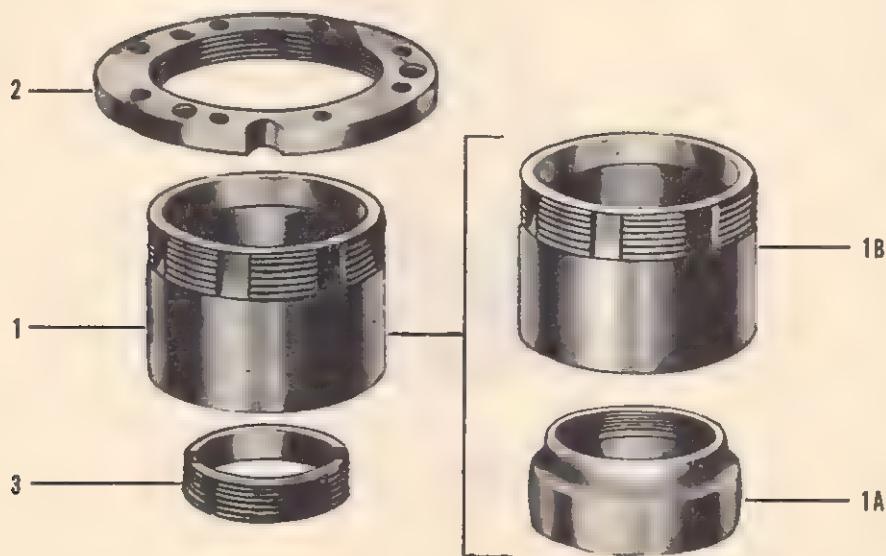


Figure 32—Compressor Bearing Assembly

| Figure and Index No. | Part Number | 1 2 3 4 5 6 7 | Nomenclature | Usage Code | Units per Assy |
|--|-------------|---------------|--|---------------|----------------------|
| COMPRESSOR BEARING SUPPORT ASSY (FIG. 33)—Continued | | | | | |
| 33-1D | 6688912-1 | | Pin—Locking | | 8 |
| 33-1E | 6652838-9 | | Bushing—Tapped | | 1 |
| 33-1D | 6688912-1 | | Pin—Locking | | 1 |
| 33-1F | 6688867 | | Pin—Locking | | 1 |
| 33-1G | 6688906 | | Plug—Support | | 1 |
| 33-1H | 3152-3 | | Plug—Pipe (Parker Appliance Co., Cleveland, Ohio) | | 1 |
| 33-2 | 6652828 | | Seal—Oil | | 1 |
| 33-3 | 11 | | Ring—Snap (Wallace Barnes Co., Bristol Conn.) | | 1 |
| 33-4 | 6652987-1 | | Stud—Support | | 2 |
| 33-5 | 6652987-2 | | Stud—Support | | 2 |
| 33-6 | AN960C516 | | Washer | | 4 |
| 33-7 | AN320-5 | | Nut—Shear | | 4 |
| 33-8 | AN380C2-3 | | Pin—Cotter | | 4 |
| 33-9 | 1604-41 | | Plug—Plastic (S. S. White Co., 10 E. 40th St., New York, N. Y.) | | 1 |
| 33-10 | 8439212 | | Nipple—Compressor bearing oil | | 1 |
| 33-11 | 8461655 | | Gasket—Oil nipple | | 1 |
| 33-12 | 1604-153 | | Cap—Plastic (S. S. White Co., 10 E. 40th St., New York, N. Y.) | | 1 |
| 33-13 | 8439215 | | Jet—Oil | | 1 |
| 33-14 | AN901-6A | | Gasket | | 1 |

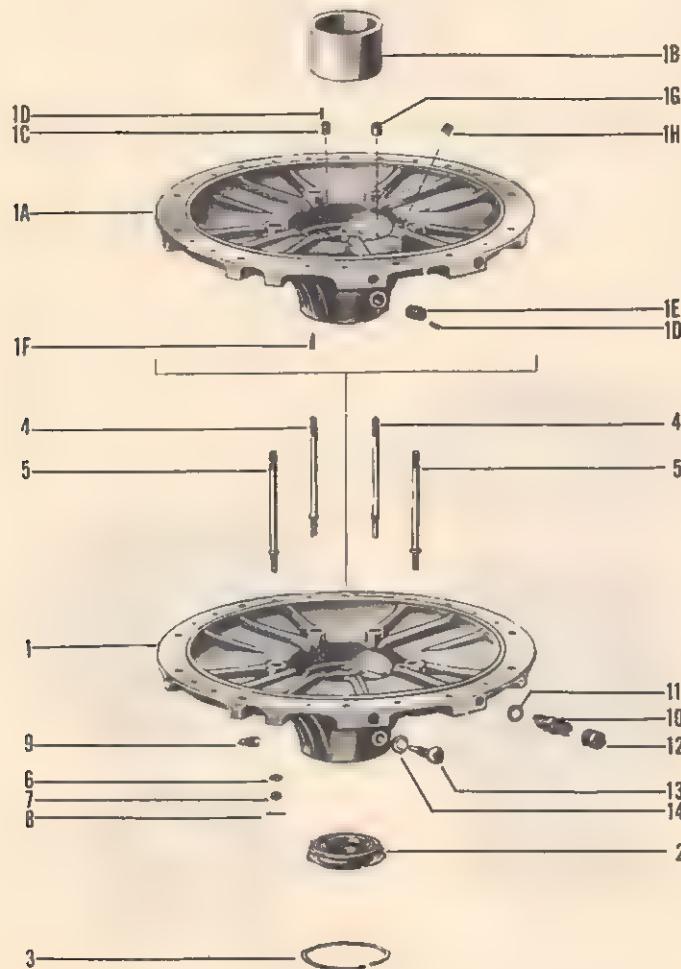


Figure 33—Compressor Bearing Support Assembly

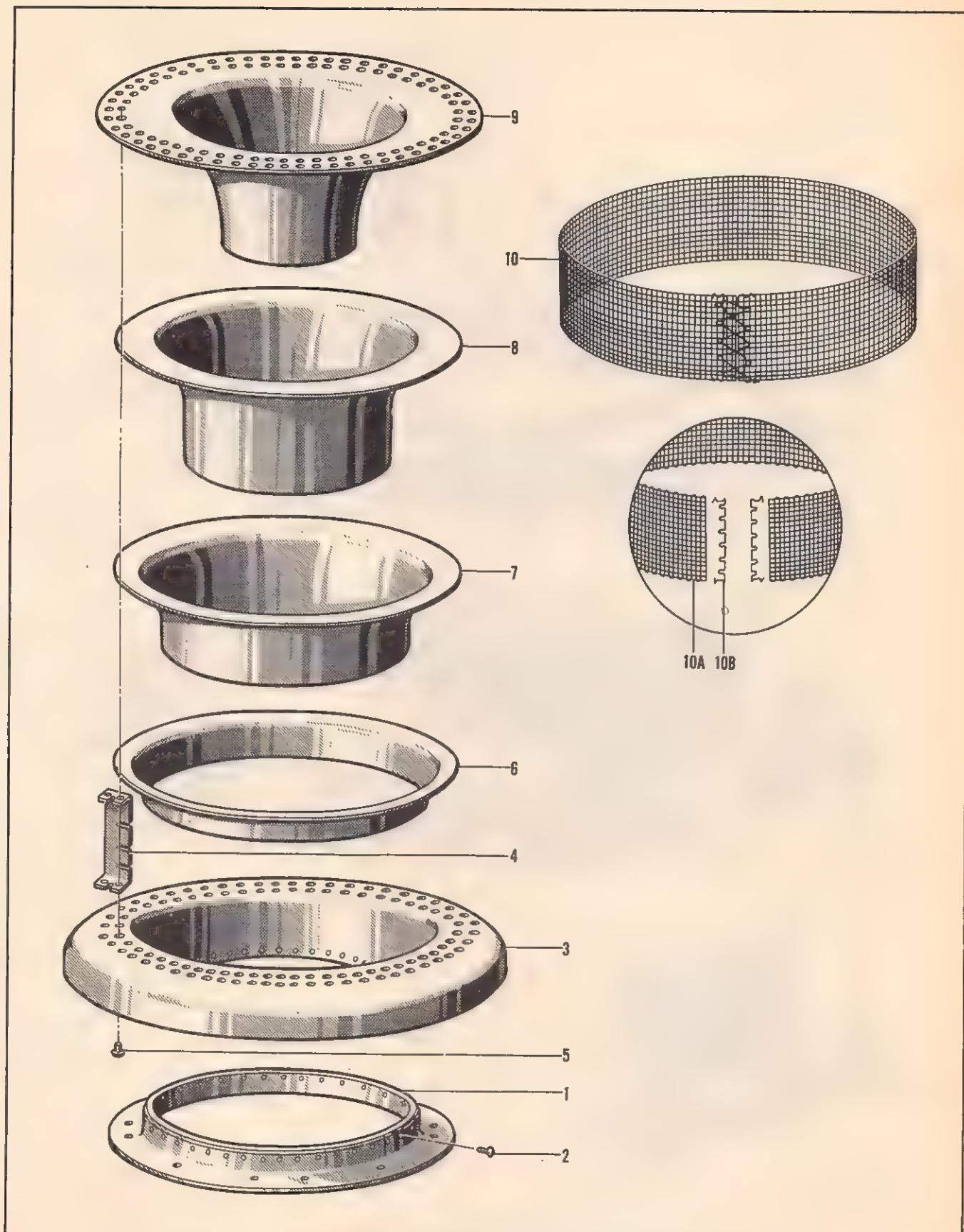


Figure 34—Compressor Front Vane and Screen Assembly

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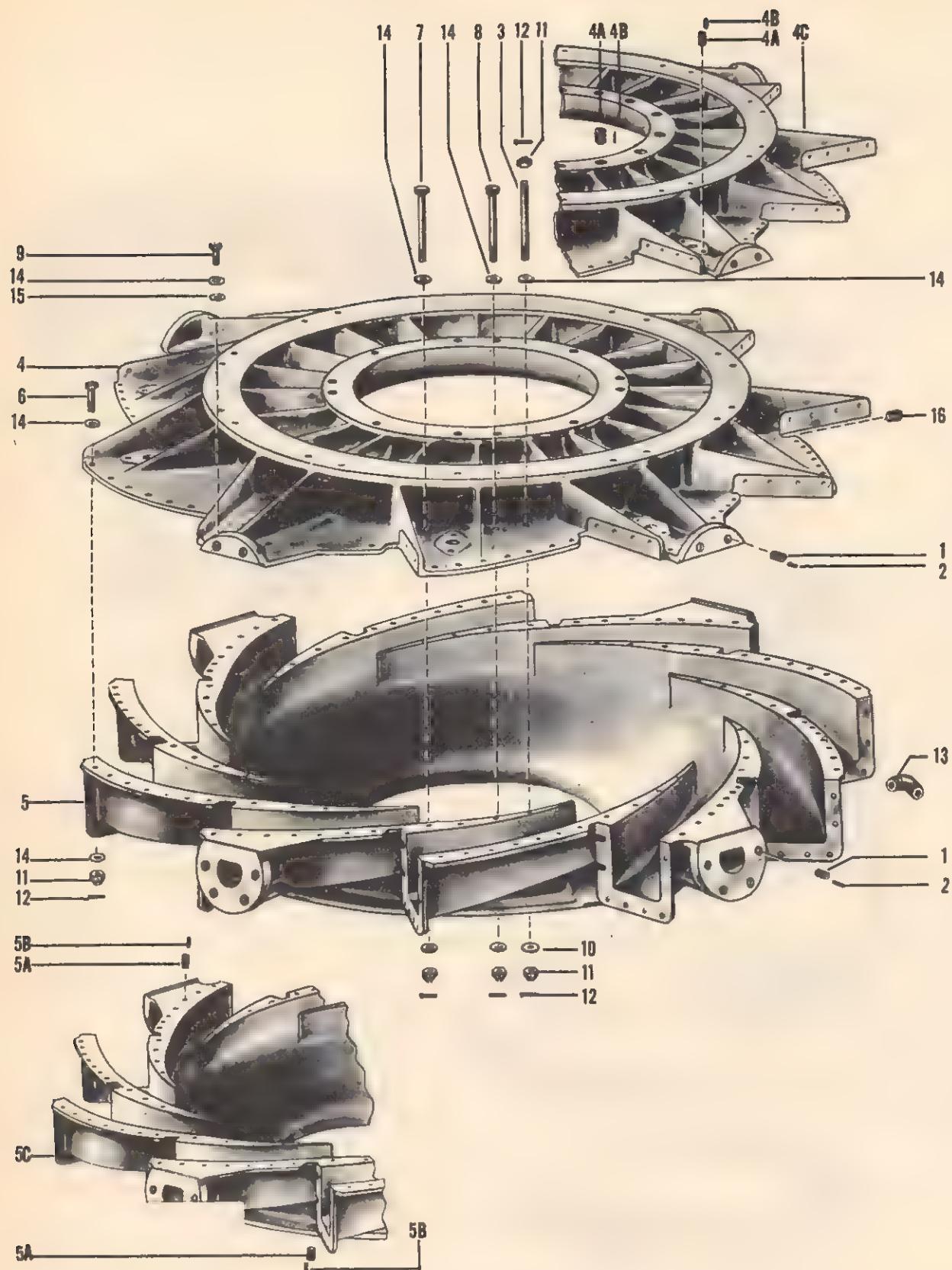


Figure 35—Compressor Casing Assembly

| Figure and Index No. | Part Number | 1 2 3 4 5 6 7 | Nomenclature | Usage Code | Units per Assy |
|----------------------|-------------|---------------|--------------|------------|----------------|
|----------------------|-------------|---------------|--------------|------------|----------------|

COMPRESSOR FRONT INLET VANE AND SCREEN ASSY (FIG. 34)

| | | | |
|--------|-----------|---|------|
| 4-1 | 8439742 | Vane and Screen Assy—Compressor front inlet | Ref. |
| 34-1 | 8439745 | Flange | 1 |
| 34-2 | AN426B3-6 | Rivet—C'sunk head | 36 |
| 34-3 | 8439744 | Vane | 1 |
| 34-4 | 6652897-1 | Blade | 50 |
| 34-5 | AN426B3-4 | Rivet—C'sunk head | 200 |
| 34-6 | 6652896-1 | Vane | 1 |
| 34-7 | 6652895-1 | Vane | 1 |
| 34-8 | 6652894-1 | Vane | 1 |
| 34-9 | 8439741 | Vane | 1 |
| 34-10 | 8439148 | Screen Assy | 1 |
| 34-10A | 8439148-1 | Screen | 1 |
| 34-10B | 8439318 | Hooks—Vane screen | 2 |

COMPRESSOR CASING ASSY (FIG. 35)

| | | | |
|-------|------------|---|------|
| 4-4 | 8439446 | Casing Assy—Compressor | Ref. |
| 35-1 | 6652838-2 | Bushing | 16 |
| 35-2 | 6688912-1 | Pin—Locking | 16 |
| 35-3 | 8436821-1 | Stud | 10 |
| 35-4 | 8439446-1 | Casing Assy—Front | 1 |
| 35-4A | 6652838-1 | Bushing—Tapped | 32 |
| 35-4B | 6688912-1 | Pin—Locking | 32 |
| 35-4C | 8402876-1 | Casing—Front | 1 |
| 35-5 | 8439446-2 | Casing Assy—Rear | 1 |
| 35-5A | 6652838-1 | Bushing—Tapped | 28 |
| 35-5B | 6688912-1 | Pin—Locking | 28 |
| 35-5C | 8439445-1 | Casing | 1 |
| 35-6 | AN4-10 | Bolt | 54 |
| 35-7 | AN4-27 | Bolt | 20 |
| 35-8 | AN4 33 | Bolt | 10 |
| 35-9 | AN74-5 | Bolt | 16 |
| 35-10 | 6688757-2 | Washer—Conical | 80 |
| 35-11 | AN310-4 | Nut—Castle | 104 |
| 35-12 | AN380C2-2 | Pin—Cotter | 104 |
| 35-13 | AN822 6D | Elbow | 1 |
| 35-14 | AN960C416 | Washer | 124 |
| 35-15 | AN960C416L | Washer | AR |
| 35-16 | Commercial | Plug—Plastic pipe (1/4 in. pipe thread) | 1 |

COMPRESSOR REAR INLET VANE ASSY (FIG. 36)

| | | | |
|--|-----------|---------------------------------|------|
| 4-10 | 8439743 | Vane Assy—Compressor rear inlet | Ref. |
| Note: This assembly consists of two identical halves. The units listed here make up a complete assembly. | | | |
| 36-1 | AN426B3 6 | Rivet | 36 |
| 36-2 | 8439745 | Flange—Compressor inlet | 1 |
| 36-3 | AN426B3-4 | Rivet | 200 |
| 36-4 | 6652897-2 | Blade—Inlet | 50 |
| 36-5 | 8439744-2 | Vane—Inlet | 1 |
| 36-6 | 6652896 2 | Vane—Inlet | 1 |
| 36-7 | 6652895 2 | Vane—Inlet | 1 |
| 36-8 | 6652894 2 | Vane—Inlet | 1 |
| 36-9 | 8439741 | Vane—Inlet | 1 |
| 36-10 | AN3 40 | Bolt—Aircraft | 4 |
| 36-11 | AN960A10 | Washer | 4 |
| 36-12 | 8468620 | Spacer—Bevel | 4 |
| 36-13 | 8468628 | Spacer—Streamlined | 4 |
| 36-14 | 8468624 | Spacer—Tubular | 4 |
| 36-15 | 8468627 | Spacer—Streamlined | 4 |
| 36-16 | 8468623 | Spacer—Tubular | 4 |
| 36-17 | 8468626 | Spacer—Streamlined | 4 |
| 36-18 | 8468622 | Spacer—Tubular | 4 |
| 36-19 | 8468625 | Spacer—Streamlined | 4 |
| 36-20 | 8468621 | Spacer—Tubular | 4 |
| 36-21 | AN960C10L | Washer | 4 |
| 36-22 | AN310-3 | Nut—Castle | 4 |
| 36-23 | AN380C2-2 | Pin—Cotter | 4 |

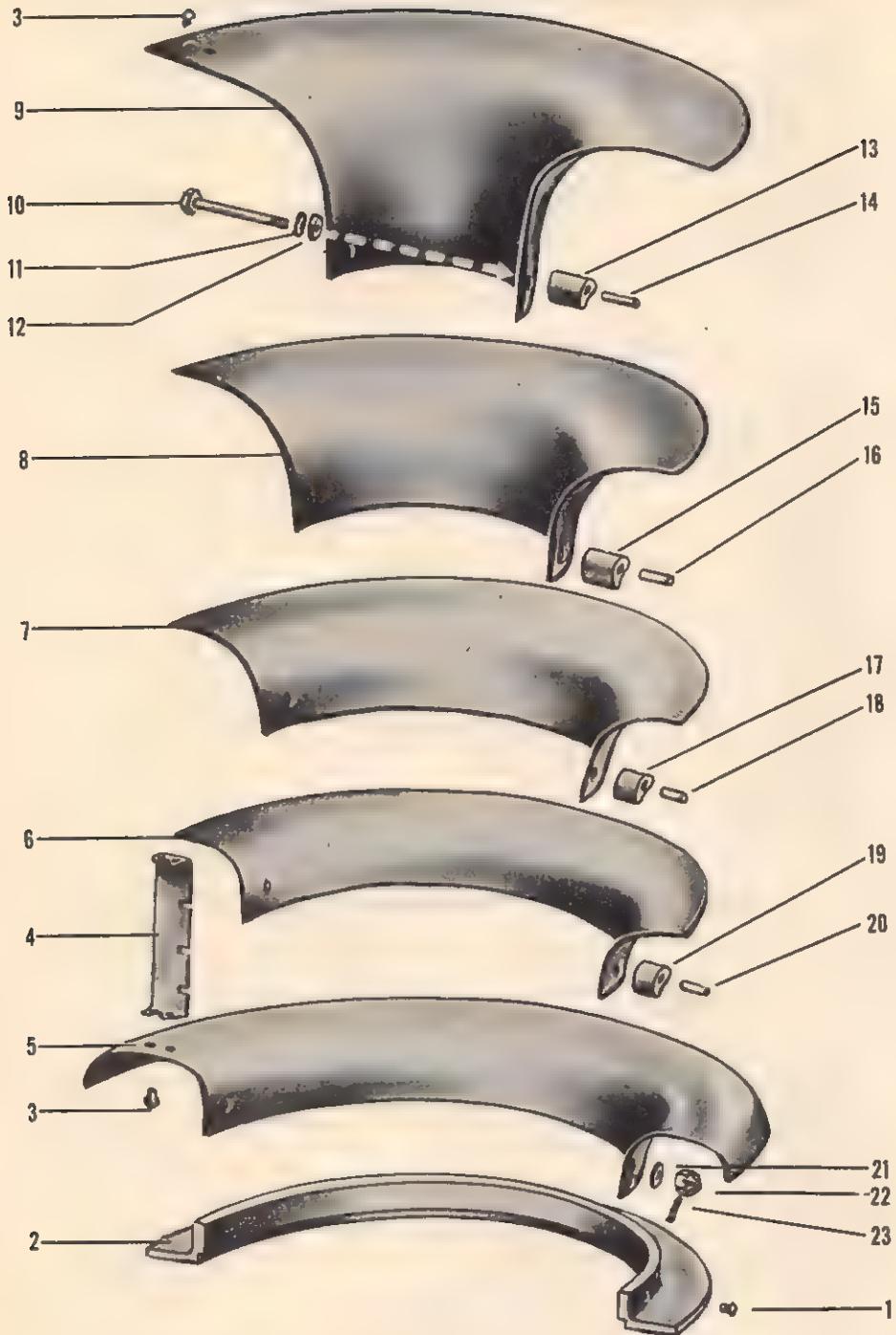


Figure 36—Compressor Rear Inlet Vane Assembly

| Figure and Index No. | Part Number | 1 | 2 | 3 | 4 | 5 | 6 | 7 | Nomenclature | Usage Code | Units per Assy |
|----------------------------|-------------|---|---|---|---|---|---|---|--------------|---------------|----------------------|
|----------------------------|-------------|---|---|---|---|---|---|---|--------------|---------------|----------------------|

COMPRESSOR INLET SCREEN INSTALLATION (FIG. 37)

| | | | |
|------|-----------|--------------------------------------|------|
| 4-11 | 8439149 | Screen Installation—Compressor inlet | Ref. |
| 37-1 | 8439148-1 | Screen | 1 |
| 37-2 | 8439318 | Hooks—Vane screen | 2 |

COMPRESSOR ELBOW AND JOINT ASSY (FIG. 38)

| | | | |
|-------|------------|---------------------------------|------|
| 4-23 | 8439810 | Elbow and Joint Assy—Compressor | Ref. |
| 38-1 | 8439302 | Elbow Assy | 1 |
| 38-1A | 8439763 | Elbow | 1 |
| 38-1B | 6652838-10 | Bushing | 4 |
| 38-1C | 6688912-1 | Pin—Locking | 4 |
| 38-2 | 6652869 | Gasket | 1 |
| 38-3 | 8439610 | Joint Assy—Expansion | 1 |
| 38-4 | AN3-5 | Bolt | 18 |
| 38-5 | AN960C10 | Washer—Plain | 18 |
| 38-6 | AN310-3 | Nut—Castle | 18 |

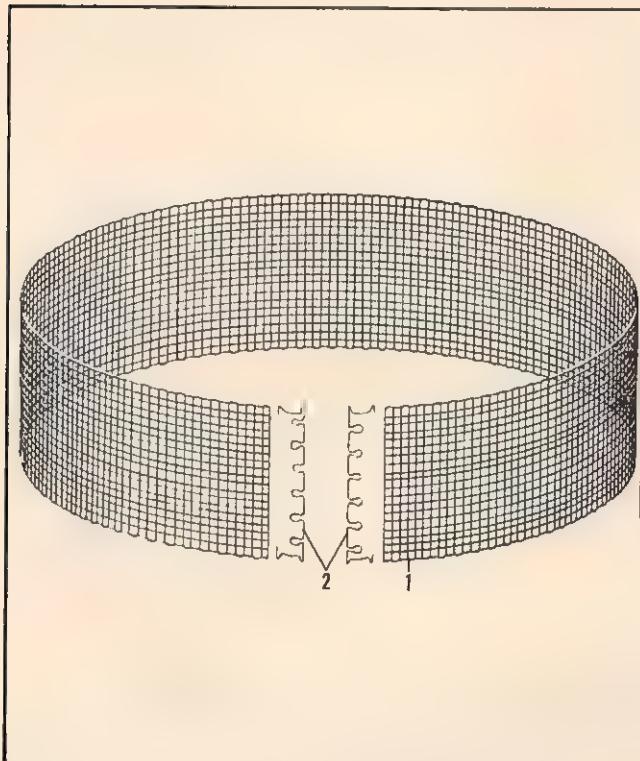


Figure 37—Compressor Rear Inlet Screen Installation

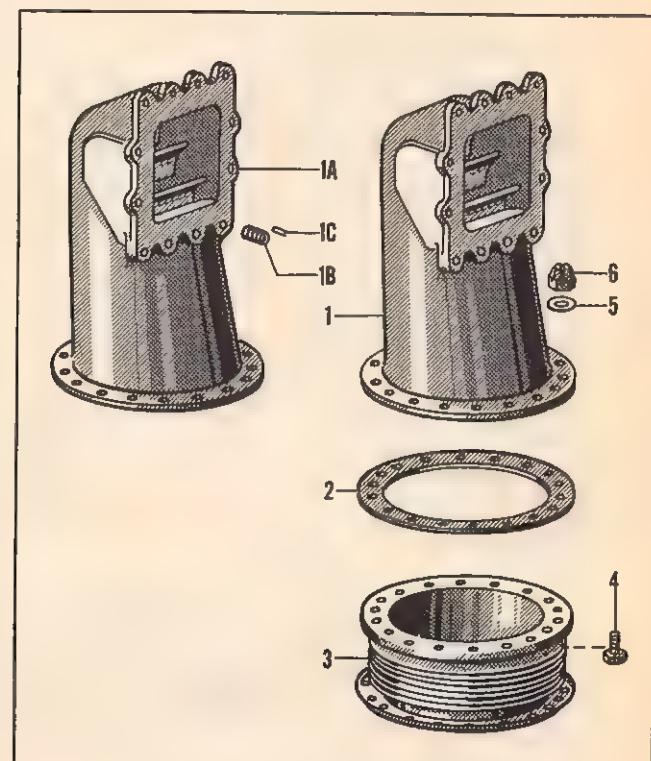


Figure 38—Elbow and Joint Assembly

| Figure and Index No. | Part Number | 1 2 3 4 5 6 7 | Nomenclature | Usage Code | Units per Assy |
|----------------------------------|-------------|---------------|---------------------------------------|---------------|----------------------|
| | | | | | Ref. |
| AIR BAFFLE ASSY (FIG. 39) | | | | | |
| 4-33 | 8439800 | | Air Baffle Assy | | |
| 39-1 | 8439799 | | Plate—Air baffle | | 10 |
| 39-2 | 8439803 | | Panel—Air baffle, plain | | 2 |
| 39-3 | AN380C2-2 | | Pin—Cotter | | 20 |
| 39-4 | 8439816 | | Panel Assembly—Air baffle thermo lead | | 1 |
| 39-4A | 8439798 | | Panel | | 1 |
| 39-4B | 8439802 | | Funnel Assy | | 1 |
| 39-4C | 8468666 | | Screen Assy | | 1 |
| 39-4D | AN931-8-13 | | Grommet | | 1 |
| 39-4E | AN430DD3-3 | | Rivet | | 4 |
| 39-5 | 8468663 | | Tube—Air baffle inlet | | 1 |
| 39-6 | 8439804 | | Panel Assy —Air baffle | | 7 |
| 39-6A | 8439798 | | Panel | | 1 |
| 39-6B | 8439802 | | Funnel Assy | | 1 |
| 39-6C | 8468660 | | Screen Assy | | 1 |
| 39-6D | AN430DD3-3 | | Rivet | | 4 |
| 39-5 | 8468663 | | Tube—Air baffle inlet | | 7 |

COMBUSTION ASSY (FIGS. 40 AND 41)

| Ref. | Combustion Assy |
|-------|-----------------------------|
| 5-1 | 8439507 |
| 40-1 | 8439503 |
| 40-1A | 8439002 |
| 40-1B | 6688865-3 |
| 40-1C | 6688902 |
| 40-1D | AN380C2-2 |
| 40-2 | 8439003 |
| 40-3 | 6688854 |
| 40-4 | 8439493 |
| 40-5 | 8468326 |
| | Elbow Assy—Combustion |
| | Elbow Assy—Combustion inner |
| | Bolt |
| | Nut |
| | Pin—Cotter |
| | Diaphragm Assy—Nozzle |
| | Bolt |
| | Baffle Assy |
| | Screw—Gas baffle |

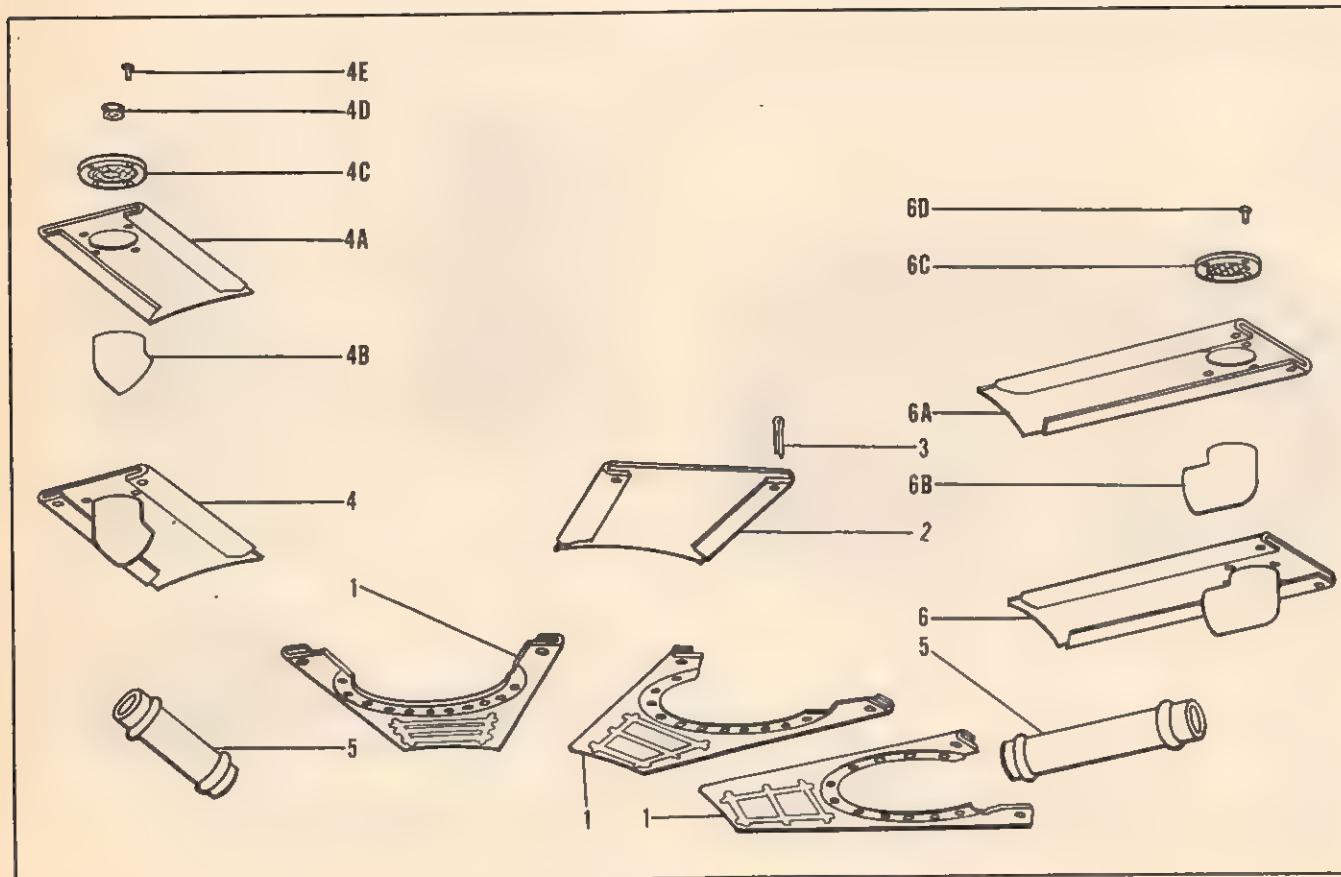


Figure 39—Air Baffle Assembly

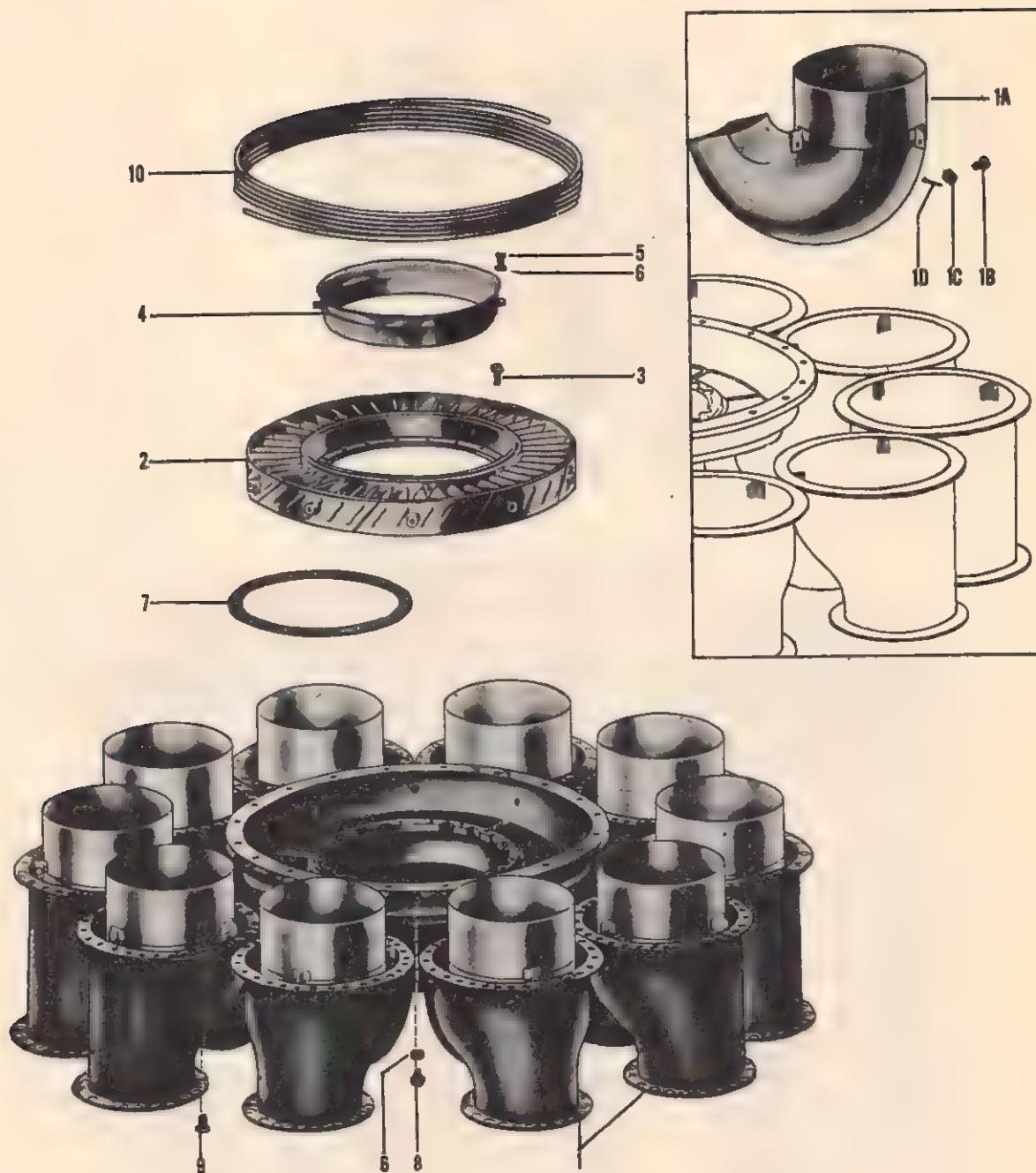


Figure 40—Exploded View of Combustion Assembly Minus Chambers

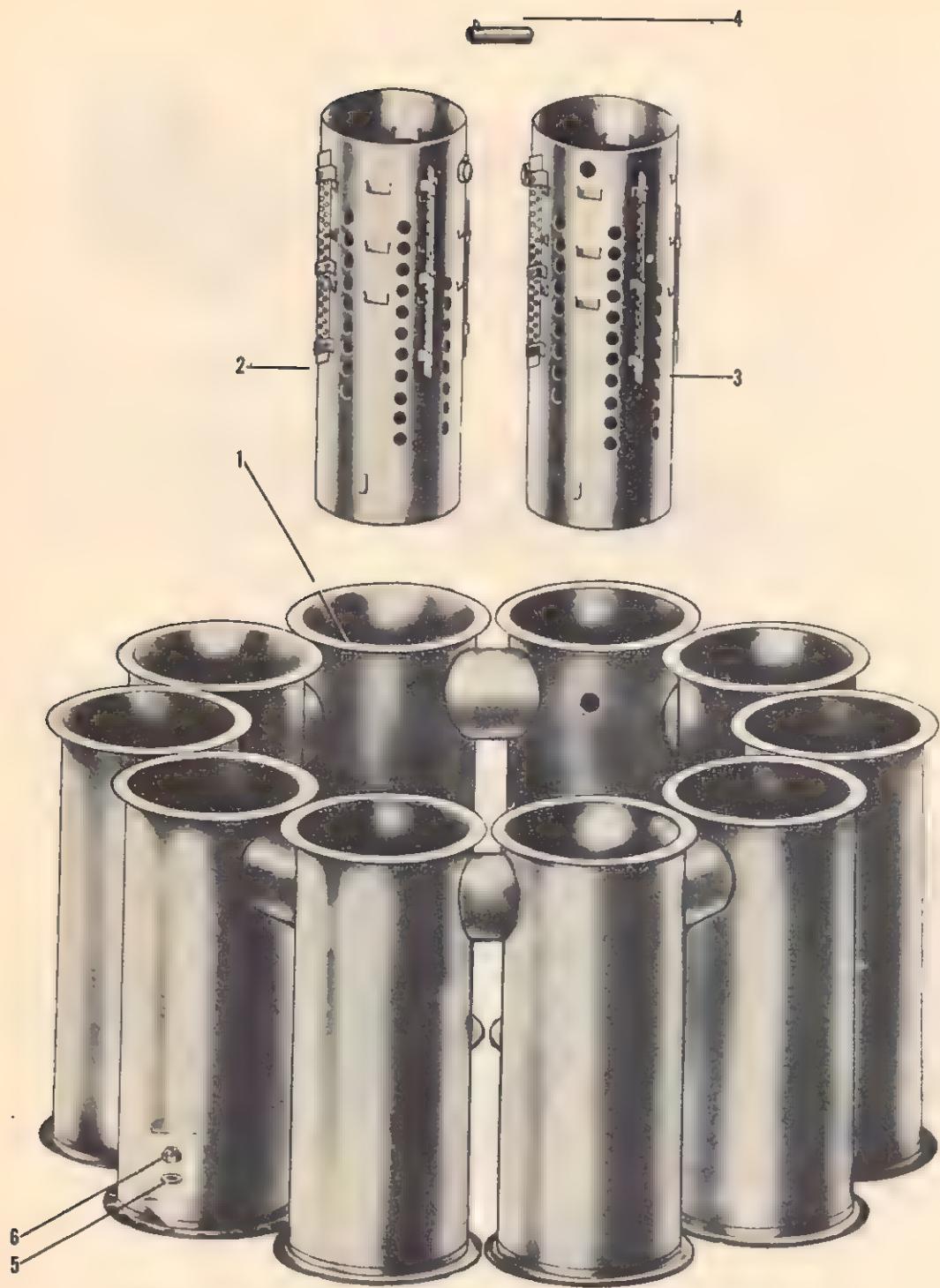
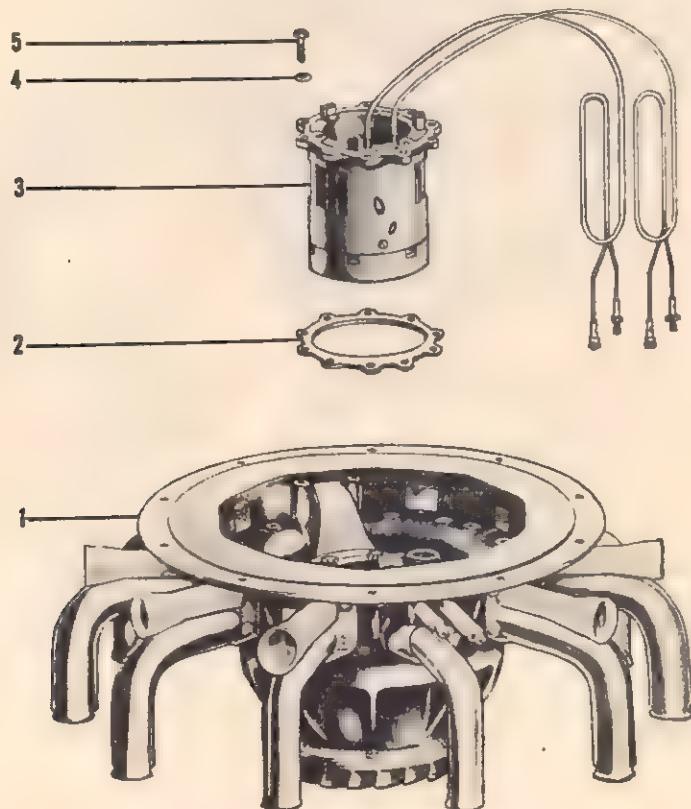


Figure 41—Combustion Assembly Inner and Outer

| Figure and Index No. | Part Number | 1 2 3 4 5 6 7 | Nomenclature | Usage Code | Units per Assy |
|--|-------------|---------------|--|---------------|----------------------|
| COMBUSTION ASSY (FIGS. 40 AND 41—Continued) | | | | | |
| 40-6 | AN960C516 | | Washer | | 4 |
| 40-7 | 6652870 | | Gasket—Chamber | | 10 |
| 40-8 | 6688856 | | Bolt | | 10 |
| 40-6 | AN960C516 | | Washer | | 10 |
| 40-9 | AN3-4 | | Bolt | | 300 |
| 40-10 | J-M702 | | Packing (Johns-Manville Sales Corp., 46 Federal St., Boston, Mass.) | AR | |
| 40-10 | 10 Eagle 66 | | Packing (Eagle-Picher Lead Co., Cinn., Ohio) | AR | |
| 41-1 | 8439684 | | Chamber Assy | | 1 |
| 41-2 | 8439550-2 | | Liner Assy | | 1 |
| 41-2 | 8439550-3 | | Liner Assy | | 1 |
| 41-3 | 8439550-1 | | Liner Assy | | 8 |
| 41-4 | 8468322 | | Tube Assy—Liner connecting | | 10 |
| 41-5 | AN960C10 | | Washer—Plain | | 300 |
| 41-6 | AN310-3 | | Nut—Castle | | 300 |

TURBINE SUPPORT AND BEARING ASSY (FIG. 42)

| | | | Ref. |
|------|-----------|--------------------------------------|------|
| 5-2 | 8439832 | Support and Bearing Assy—Turbine | |
| 42-1 | 8439811 | Support Assy (See figure 43) | 1 |
| 42-2 | 8468230 | Gasket | 1 |
| 42-3 | 8469084 | Bearing Assy—Turbine (See figure 44) | 1 |
| 42-4 | AN960C416 | Washer | 10 |
| 42-5 | AN74-6 | Bolt | 10 |

**Figure 42—Turbine Support and Bearing Assembly**

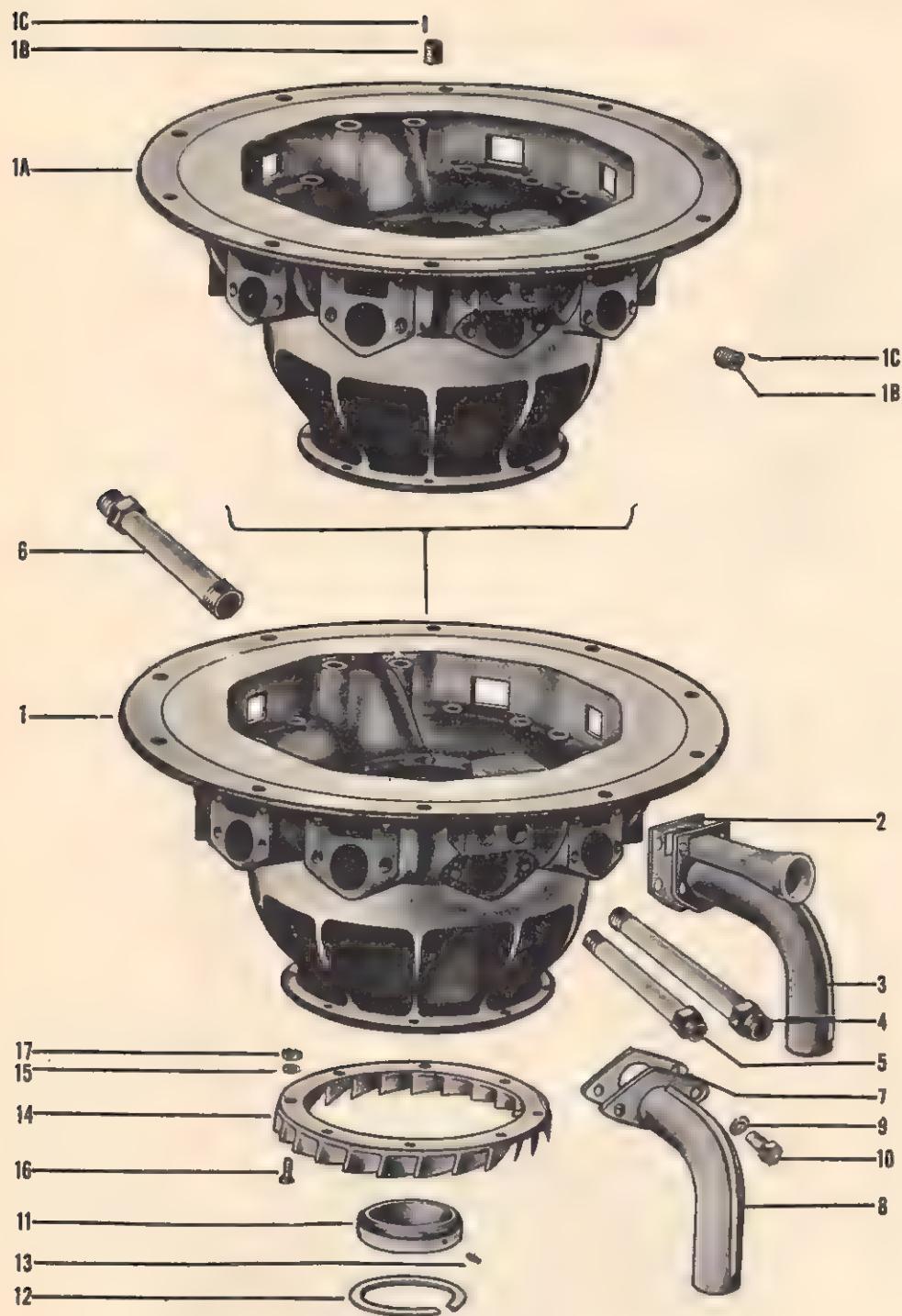


Figure 43—Turbine Bearing Support Assembly

| Figure and Index No. | Part Number | 1 2 3 4 5 6 7 | Nomenclature | Usage Code | Units per Assy |
|---|---------------|---------------|--|------------|----------------|
| TURBINE BEARING SUPPORT ASSY (FIG. 43) | | | | | |
| 42-1 | 8439811 | | Support Assy—Turbine bearing | | Ref. |
| 43-1 | 8439504 | | Support Assy—Turbine bearing | 1 | |
| 43-1A | 8439749 | | Support—Turbine bearing | 1 | |
| 43-1B | 6652838 | | Bushing | 46 | |
| 43-1C | 6688912-1 | | Pin—Locking | 46 | |
| 43-2 | 8468133 | | Gasket—Air elbow | 8 | |
| 43-3 | 8439805 | | Elbow Assy—Cooling air | 8 | |
| 43-4 | 8439601 | | Nipple Assy—Turbine bearing oil | 1 | |
| 43-5 | 8468329 | | Nipple Assy—Turbine bearing air | 1 | |
| 43-6 | 8468327 | | Nipple—Turbine bearing scavenging | 1 | |
| 43-7 | 8468130 | | Gasket—Air elbow | 2 | |
| 43-8 | 8439461 | | Elbow Assy | 2 | |
| 43-9 | AN960C416 | | Washer | 36 | |
| 43-10 | AN74-5 | | Bolt | 36 | |
| 43-11 | 8439667 | | Seal—Oil | 1 | |
| 43-12 | MRC-B-25-33-8 | | Ring—Snap (Wallace Barnes Co., Bristol, Conn.) | 1 | |
| 43-13 | 6688867 | | Pin—Locking | 1 | |
| 43-14 | 8469081 | | Diffuser | 1 | |
| 43-15 | AN960C6 | | Washer | 16 | |
| 43-16 | 8468325-4 | | Screw | 8 | |
| 43-17 | AN320-1 | | Nut | 8 | |

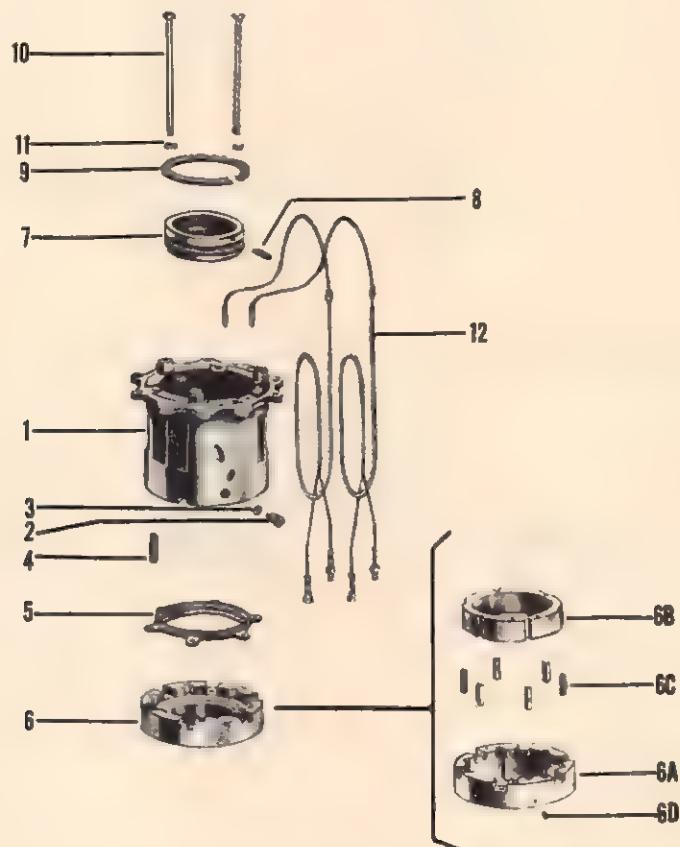


Figure 44—Turbine Bearing Assembly

| Figure and Index No. | Part Number | 1 2 3 4 5 6 7 | Nomenclature | Usage Code | Units per Assy |
|---------------------------------------|-------------|---------------|--|---------------|----------------------|
| TURBINE BEARING ASSY (FIG. 44) | | | | | |
| 42-3 | 8469084 | | Bearing Assy—Turbine | | 1 |
| 44-1 | 8469078 | | Case—Ring sliding | | 1 |
| 44-2 | 6652820 | | Jet—Oil | | 1 |
| 44-3 | 6688913 | | Washer—Oil jet | | 1 |
| 44-4 | 8468317 | | Spring | | 6 |
| 44-5 | 8469080 | | Washer—Thrust | | 1 |
| 44-6 | 8469086 | | Case Assy | | 1 |
| 44-6A | 8469079 | | Case | | 1 |
| 44-6B | 8469099 | | Ring | | 1 |
| 44-6C | 8436842 | | Key—Rear bearing case | | 6 |
| 44-6D | 6688917 | | Pin—Key | | 6 |
| 44-7 | 8439286 | | Seal—Front oil | | 1 |
| 44-8 | 6688867 | | Pin—Locking | | 1 |
| 44-9 | 8 | | Ring—Snap (In MRC Bulletin No. 25 Wallace Barnes Co., Bristol, Conn.) (See fig. 33) | | 1 |
| 44-10 | AN74-47 | | Bolt—Extension | | 3 |
| 44-11 | AN960C416 | | Washer—Plain | | 3 |
| 44-12 | 8439771 | | Thermocouple Assy—Turbine bearing | | 2 |

DUPLEX FUEL NOZZLE ASSY (FIG. 45)

| | | | Ref. |
|-------|---------|-------------------------|------|
| 5-17 | 8439621 | Nozzle Assy—Duplex fuel | |
| 45-1 | 8439641 | Body Assy | 1 |
| 45-2 | 8437915 | Orifice | 1 |
| 45-3 | 8437914 | Plate—Front | 1 |
| 45-4 | 8437913 | Plate—Back | 1 |
| 45-5 | 8468296 | Filter | 1 |
| 45-6 | 8439637 | Sleeve | 1 |
| 45-7 | 8439638 | Filter Assy | 1 |
| 45-8 | 8468242 | Gasket | 1 |
| 45-9 | 8468243 | Washer | 1 |
| 45-10 | 8468245 | Nut—Retaining | 1 |
| 45-11 | 8468244 | Nut—Lock | 1 |
| 45-12 | 8468654 | Washer | 2 |
| 45-13 | 8439639 | Elbow | 1 |
| 45-14 | 8439640 | Plug | 1 |
| 45-15 | 6688909 | Nut | 1 |

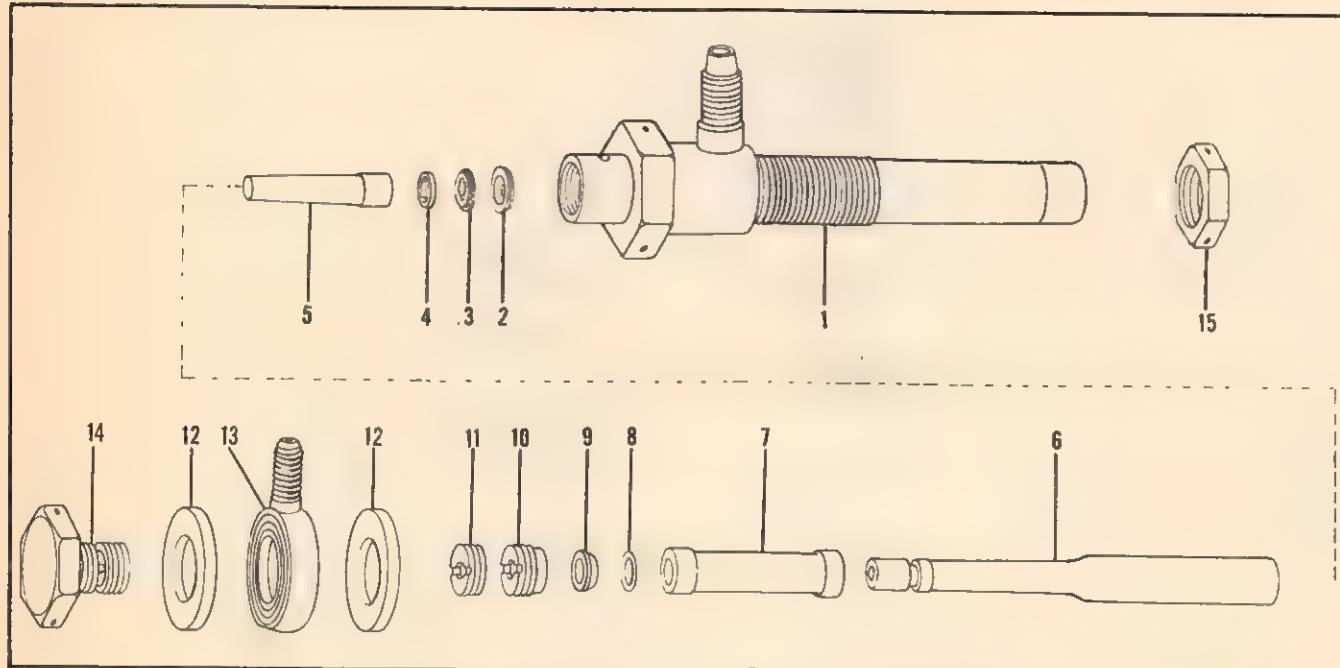


Figure 45—Exploded View of Duplex Fuel Nozzle Assembly

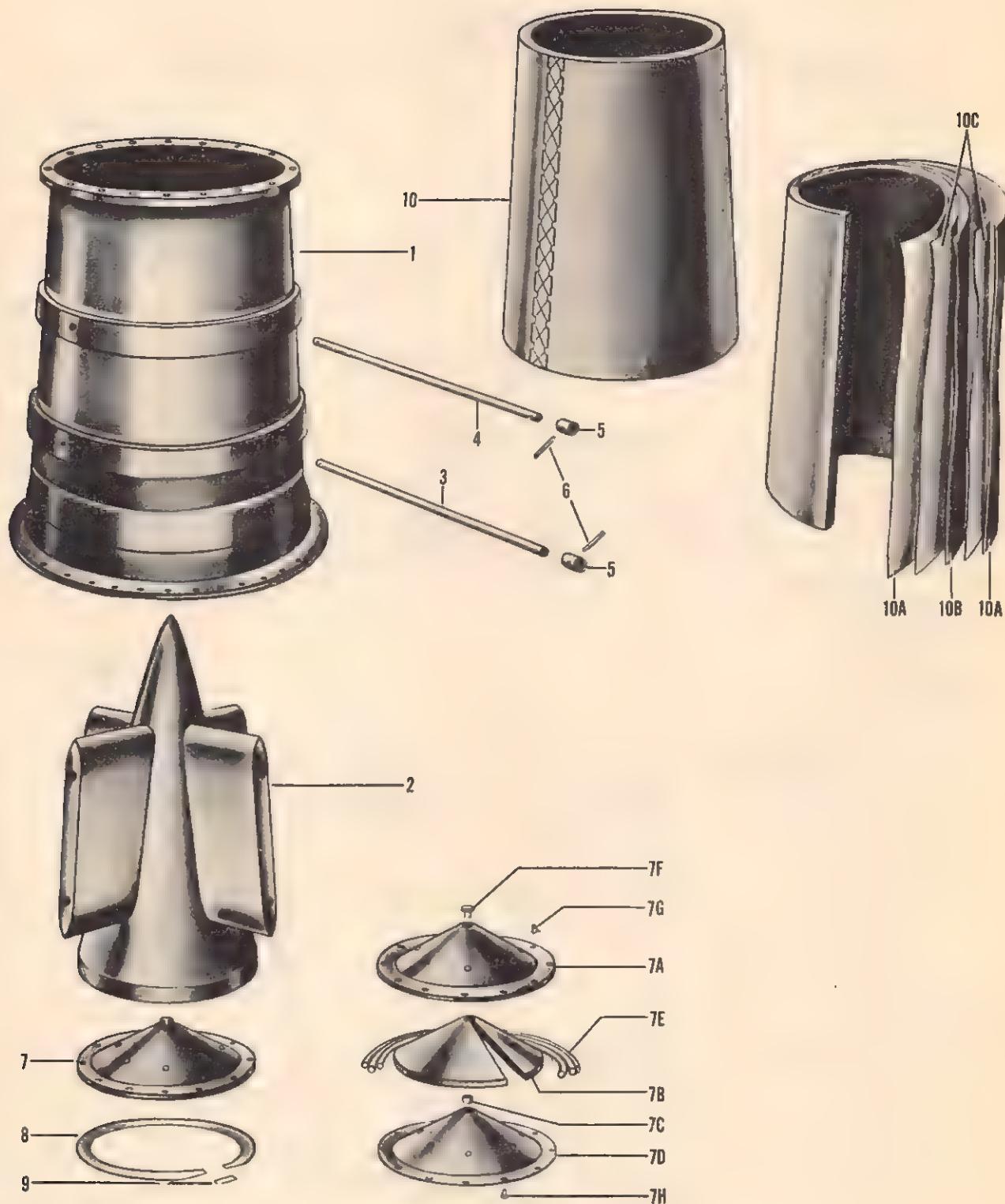


Figure 46—Exhaust Assembly

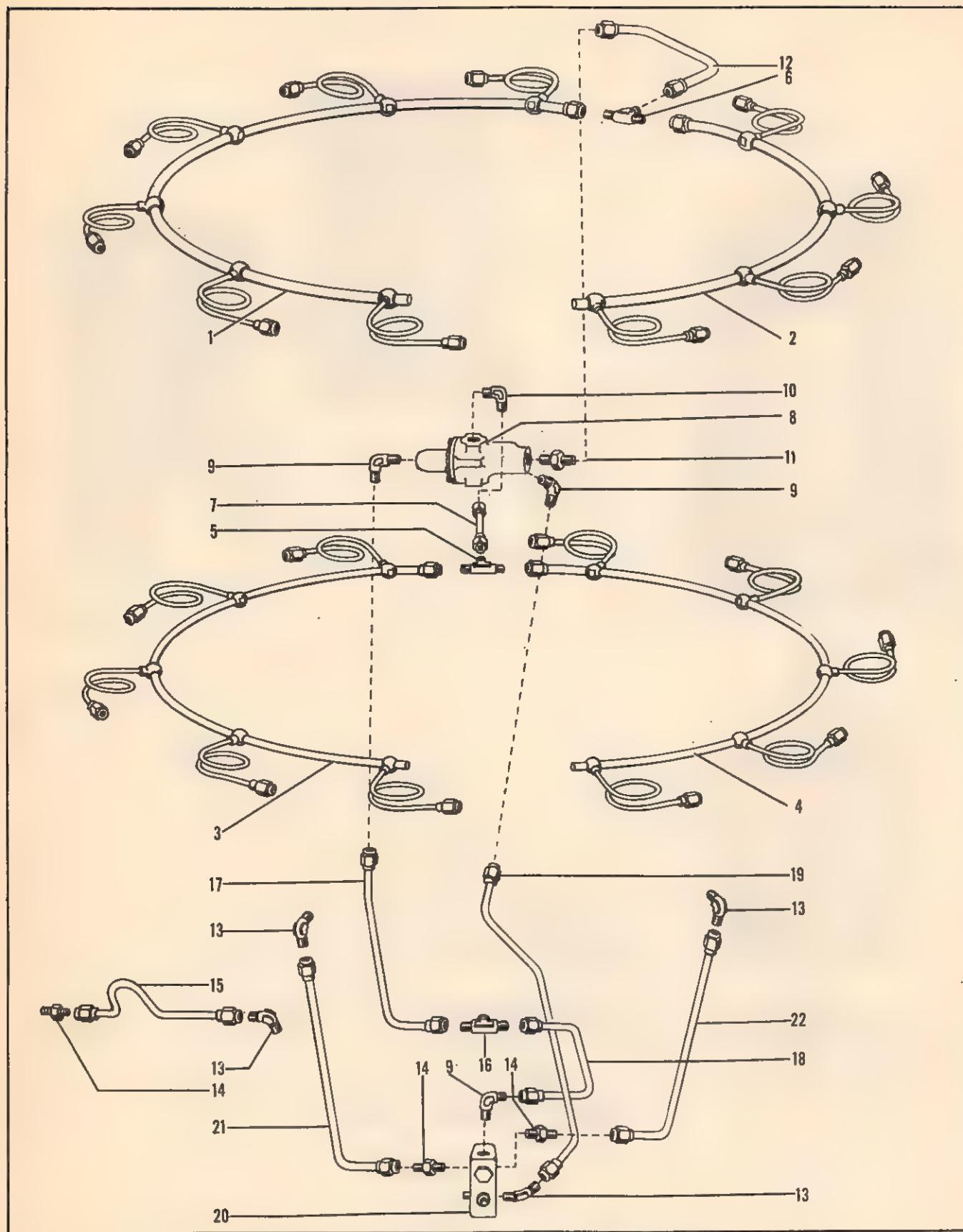


Figure 47—Fuel and Chamber Drain Piping Assembly

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| Figure and Index No. | Part Number | 1 2 3 4 5 6 7 | Nomenclature | Usage Code | Units per Assy |
|---|-------------|---------------|--|------------|----------------|
| EXHAUST ASSY (FIG. 46) | | | | | |
| 6-1 | 8439380 | | Exhaust Assy | | Ref. |
| 46-1 | 8439375 | | Cone Assy—Exhaust outer | | 1 |
| 46-2 | 8439376 | | Cone Assy—Exhaust inner | | 1 |
| 46-3 | 8439379-1 | | Rod | | 2 |
| 46-4 | 8439379-2 | | Rod | | 2 |
| 46-5 | 8461617 | | Collar—Rod | | 8 |
| 46-6 | AN380C3-4 | | Pin—Cotter (Steel) | | 8 |
| 46-7 | 8439428 | | Plate Assy—Insulation | | 1 |
| 46-7A | 8439598 | | Plate Sub-Assy | | 1 |
| 46-7B | 6652942 | | Insulation | | 1 |
| 46-7C | 6688924 | | Bushing | | 1 |
| 46-7D | 8439431 | | Plate | | 1 |
| 46-7E | Commercial | | Insulation (Johns-Manville Sales Corp., 39 Federal St., Boston, Mass.) | | 3 |
| 46-7F | 8461697 | | Rivet—Center | | 1 |
| 46-7G | 6688728 | | Rivet | | 8 |
| 46-7H | 8461099 | | Pin | | 12 |
| 46-8 | 8439391 | | Ring—Split | | 1 |
| 46-9 | 8461696 | | Connector—Split ring | | 1 |
| 46-10 | 8439392 | | Pad Assy—Insulation | | 1 |
| 46-10A | 8439392-3 | | Screen | | 2 |
| 46-10B | 8439392-2 | | Screen | | 1 |
| 46-10C | 8439392-4 | | Foil—Aluminum | | 4 |
| FUEL AND CHAMBER DRAIN PIPING ASSY (FIG. 47) | | | | | |
| 6-13 | 8439689 | | Piping Assy—Fuel and chamber drains | | Ref. |
| 47-1 | 8439622 | | Manifold Assy—Fuel rear L.H. | | 1 |
| 47-2 | 8439778 | | Manifold Assy—Fuel rear R.H. | | 1 |
| 47-3 | 8439643 | | Manifold Assy—Fuel front L.H. | | 1 |
| 47-4 | 8439779 | | Manifold Assy—Fuel front R.H. | | 1 |
| 47-5 | AN824-6 | | Tee | | 1 |
| 47-6 | AN824-8 | | Tee | | 1 |
| 47-7 | 8439917 | | Tube Assy—Fuel rear manifold inlet | | 1 |
| 47-8 | 8439618 | | Valve Assy—Duplex meter (See figure 52) | | 1 |
| 47-9 | AN822-4 | | Elbow 90° (St. Stl. for $\frac{1}{4}$ tubing) | | 2 |
| 47-10 | AN822-6 | | Elbow 90° (St. Stl. for $\frac{3}{8}$ tubing) | | 1 |
| 47-11 | AN816-8 | | Nipple (St. Stl. for $\frac{1}{2}$ tubing) | | 1 |
| 47-12 | 8439918 | | Tube Assy—Front manifold inlet | | 1 |
| 47-13 | AN823-4 | | Elbow 45° (St. Stl. for $\frac{1}{4}$ tubing) | | 1 |
| 47-14 | AN816-4 | | Nipple (St. Stl. for $\frac{1}{4}$ tubing) | | 1 |
| 47-15 | 8439539 | | Tube Assy—Upper chamber drain | | 1 |
| 47-16 | AN825-4 | | Tee (St. Stl. for $\frac{1}{4}$ tubing) | | 1 |
| 47-17 | 8439915 | | Tube Assy—Meter valve air inlet | | 1 |
| 47-18 | 8439914 | | Tube Assy—Chamber to drain valve | | 1 |
| 47-19 | 8439916 | | Tube Assy—Meter valve drain | | 1 |
| 47-20 | 8439932 | | Valve Assy—Chamber drain (See figure 48) | | 1 |
| 47-9 | AN822-4 | | Elbow 90° (St. Stl. for $\frac{1}{4}$ tubing) | | 1 |
| 47-13 | AN823-4 | | Elbow 45° (St. Stl. for $\frac{1}{4}$ tubing) | | 1 |
| 47-14 | AN816-4 | | Nipple (St. Stl. for $\frac{1}{4}$ tubing) | | 2 |
| 47-13 | AN823-4 | | Elbow 45° (St. Stl. for $\frac{1}{4}$ tubing) | | 2 |
| 47-21 | 8439542 | | Tube Assy—Chamber drain L.H. | | 1 |
| 47-22 | 8439542 | | Tube Assy—Chamber drain R.H. | | 1 |

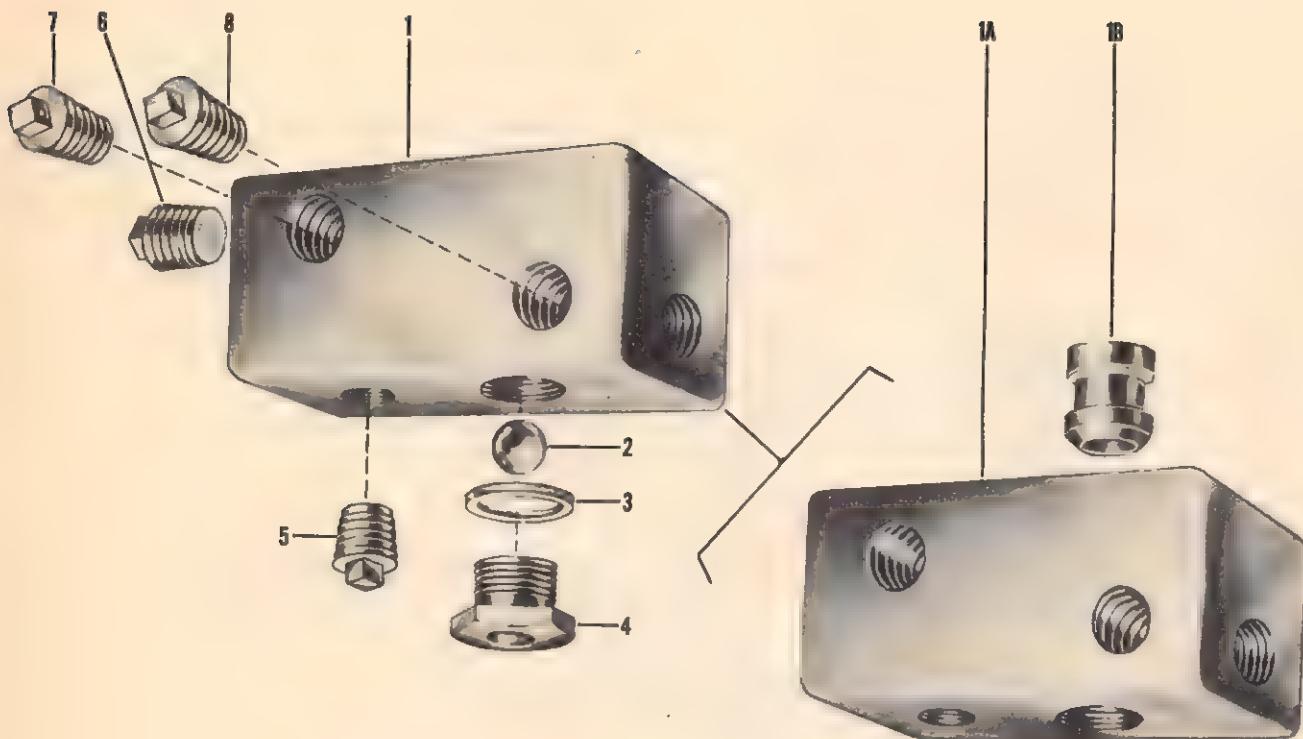


Figure 48—Exploded View of Chamber Drain Valve Assembly

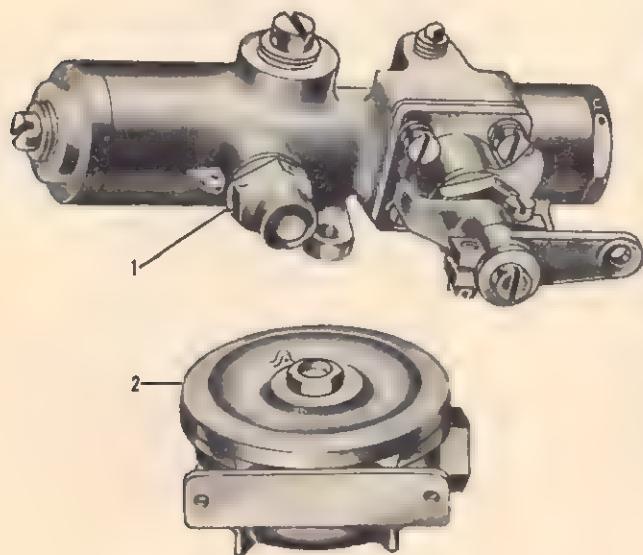


Figure 49—Air Filter and Control Valve

| Figure and Index No. | Part Number | 1 2 3 4 5 6 7 | Nomenclature | Usage Code | Units per Assy |
|---|-------------|---------------|--|------------|----------------|
| CHAMBER DRAIN VALVE ASSY (FIG. 48) | | | | | |
| 47-20 | 8439932 | | Valve Assy—Chamber drain | | Ref. |
| 48-1 | 8439547 | | Body Assy—Valve | 1 | |
| 48-1A | 8439764 | | Body—Valve | 1 | |
| 48-1B | 8468170 | | Seat—Valve | 1 | |
| 48-2 | No Number | | Ball Valve (5/16 dia., Waterbury Steel Ball Co., Waterbury, Conn.) | 1 | |
| 48-3 | AN901-5A | | Gasket | 1 | |
| 48-4 | 8468171 | | Retainer—Valve | 1 | |
| 48-5 | 1604-41 | | Plug—Plastic (S. S. White Co., 10 E. 40th St., New York, N. Y.) | 1 | |
| 48-6 | AN913-2S | | Plug | 1 | |
| 48-7 | AN913-1S | | Plug | 1 | |
| 48-8 | 1604-40 | | Plug—Plastic (S. S. White Co., 10 E. 40th St., New York, N. Y.) | 4 | |

CONTROL VALVE ASSY AND AIR FILTER (FIG. 49)

| | | | |
|------|----------------------|--|---|
| 49-1 | 8439577 | Valve Assy—Control | 1 |
| 49-2 | 28688 less No. 27203 | Filter—Air (Purolator Products Co., Newark, N. J.) | 1 |

AIR FILTER (FIG. 50)

| | | | |
|------|----------------------|--|------|
| 49-2 | 28688 less No. 27203 | Filter—Air (Purolator Products Co., Newark, N. J.) | Ref. |
| 50-1 | 28843 | Gasket—Cover (Purolator Products Co., Newark, N. J.) | 1 |
| 50-2 | 28846 | Cover (Purolator Products Co., Newark, N. J.) | 1 |
| 50-3 | 28840 | Gasket—Element (Purolator Products Co., Newark, N. J.) | 1 |
| 50-4 | 28848 | Screw—Cover (Purolator Products Co., Newark, N. J.) | 1 |
| 50-5 | 28842 | Gasket—Cover screw (Purolator Products Co., Newark, N. J.) | 1 |
| 50-6 | 28841 | Washer—Spring (Purolator Products Co., Newark, N. J.) | 1 |
| 50-7 | 28849 | Retainer—Cover screw (Purolator Products Co., Newark, N. J.) | 1 |
| 50-8 | 28859 | Element Assy (Purolator Products Co., Newark, N. J.) | 1 |
| 50-9 | 29005 | Head Assy (Purolator Products Co., Newark, N. J.) | 1 |

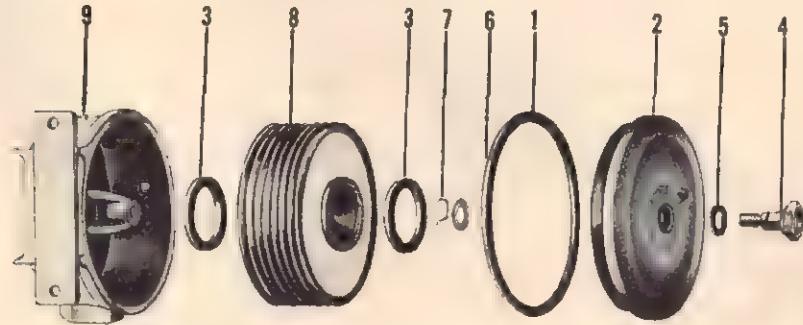


Figure 50—Exploded View of Air Filter

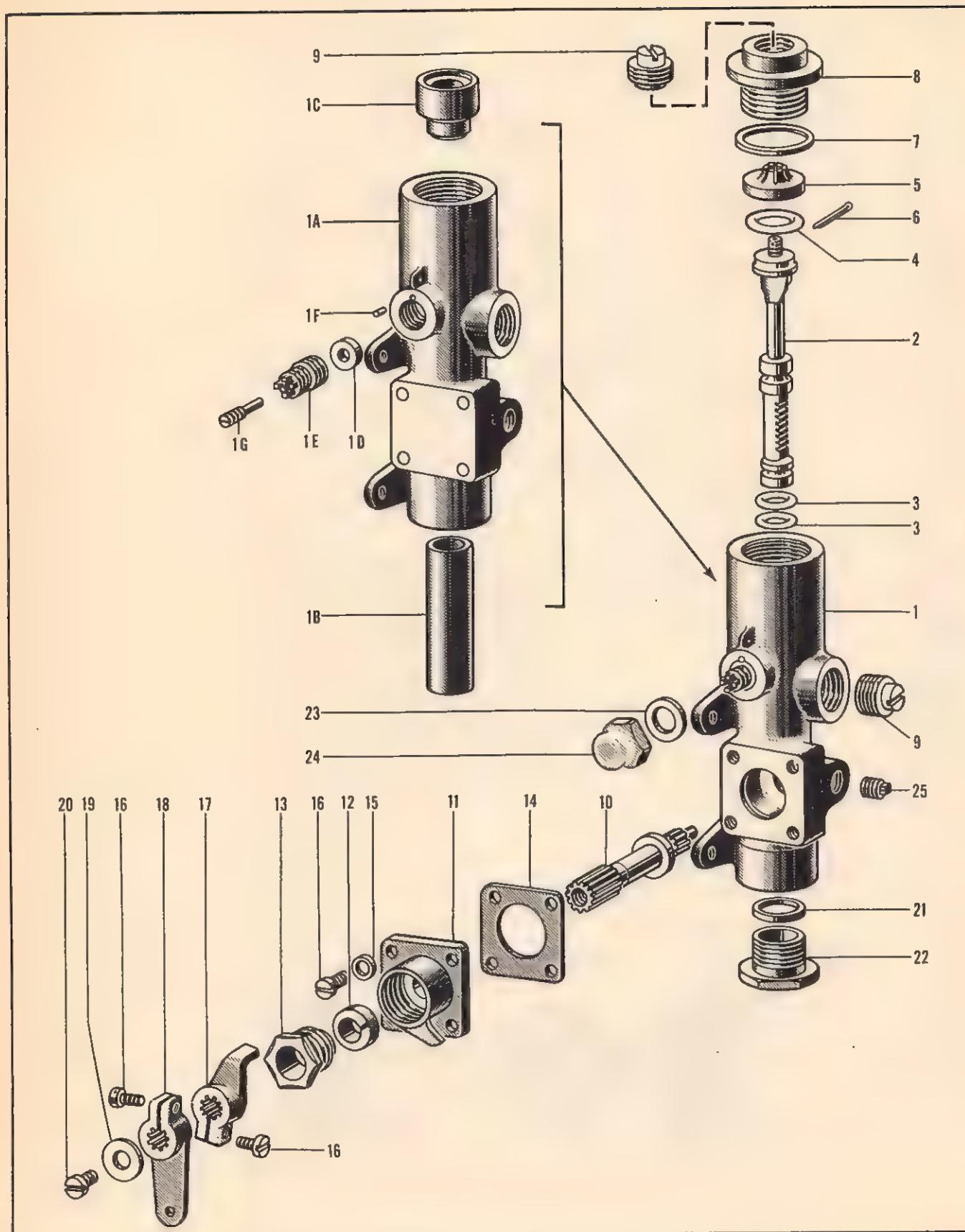


Figure 51—Exploded View of Control Valve Assembly

RESTRICTED

| Figure and Index No. | Part Number | 1 2 3 4 5 6 7 | Nomenclature | Usage Code | Units per Assy |
|-------------------------------------|-------------|---------------|---------------------------------------|---------------|----------------------|
| CONTROL VALVE ASSY (FIG. 51) | | | | | |
| 49-1 | 8439577 | | Valve Assy --Control | | Ref. |
| 51-1 | 8439576 | | Body Assy | | 1 |
| 51-1A | 8439530 | | Body | | 1 |
| 51-1B | 8468642 | | Liner | | 1 |
| 51-1C | 8439830 | | Seat | | 1 |
| 51-1D | 8468260 | | Packing | | 1 |
| 51-1E | 8468159 | | Bushing—Adjusting screw | | 1 |
| 51-1F | 6688912-1 | | Pin—Locking | | 1 |
| 51-1G | 8468160 | | Screw—Idling | | 1 |
| 51-2 | 8439829 | | Plunger—Control | | 1 |
| 51-3 | AN6227-8 | | Packing "O" ring—Hydraulic | | 2 |
| 51-4 | AN6227-15 | | Packing "O" ring | | 1 |
| 51-5 | 8439831 | | Nut—Clamping | | 1 |
| 51-6 | AN380-2-3 | | Pin—Cotter | | 1 |
| 51-7 | AN902-16 | | Gasket | | 1 |
| 51-8 | 8468157 | | Bushing—Inlet | | 1 |
| 51-9 | Commercial | | Plug—Red plastic (3/4-16 N.F. thread) | | 2 |
| 51-10 | 8439533 | | Shaft—Control valve | | 1 |
| 51-11 | 8439531 | | Housing—Shaft | | 1 |
| 51-12 | 8468263 | | Packing ring | | 1 |
| 51-13 | 8468195 | | Gland | | 1 |
| 51-14 | AN902-10 | | Gasket | | 1 |
| 51-15 | AN960C10L | | Washer | | 4 |
| 51-16 | AN503-10-10 | | Screw | | 6 |
| 51-17 | 8439532 | | Stop | | 1 |
| 51-18 | 8402773 | | Lever | | 1 |
| 51-19 | 945-4P | | Washer | | 1 |
| 51-20 | AN500A416-6 | | Screw | | 1 |
| 51-21 | AN920-12 | | Gasket | | 1 |
| 51-22 | 8468158 | | Plug | | 1 |
| 51-23 | 6688776-5 | | Gasket—Adjusting screw | | 1 |
| 51-24 | 8468161 | | Cap—Adjusting screw | | 1 |
| 51-25 | AN913-1S | | Plug—Pipe | | 1 |

DUPLEX METER VALVE ASSY (FIG. 52)

| Ref. | Part Number | Description |
|-------|-------------|--|
| 47-8 | 8439618 | Valve Assembly—Duplex meter |
| 52-1 | 8437947 | Body—Duplex meter valve |
| 52-2 | 8439617 | Bellows and Valve Assy |
| 52-2A | 8437951 | Bellows Assy |
| 52-2B | 8439614 | Valve meter |
| 52-2C | 8495053 | Pin |
| 52-2D | 8495044 | Orifice |
| 52-3 | AN505-6-6 | Screw |
| 52-4 | 8495042 | Gasket |
| 52-5 | 8495047 | Holder—Spring |
| 52-6 | 8468229 | Spring—Meter |
| 52-7 | 8468649 | Filter |
| 52-8 | 8495050 | Guide—Spring |
| 52-9 | 8495052 | Bushing |
| 52-10 | 6688912-1 | Pin |
| 52-11 | 8495051 | Bushing—Locking |
| 52-12 | 8437948 | Cap |
| 52-13 | AN960C416 | Washer |
| 52-14 | AN74A7 | Bolt |
| 52-15 | 8468647 | Shim |
| 52-16 | 8495045 | Spring |
| 52-17 | 8468646 | Ball |
| 52-18 | 8495046 | Reducer |
| 52-19 | 1604-42 | Plug—Plastic (S. S. White Co., 10 E. 40th St., New York, N. Y.) |
| 52-20 | 1604-44 | Plug—Plastic (S. S. White Co., 10 E. 40th St., New York, N. Y.) |
| 52-21 | 1604-41 | Plug—Plastic (S. S. White Co., 10 E. 40th St., New York, N. Y.) |
| 52-22 | 1604-40 | Plug—Plastic (S. S. White Co., 10 E. 40th St., New York, N. Y.) |

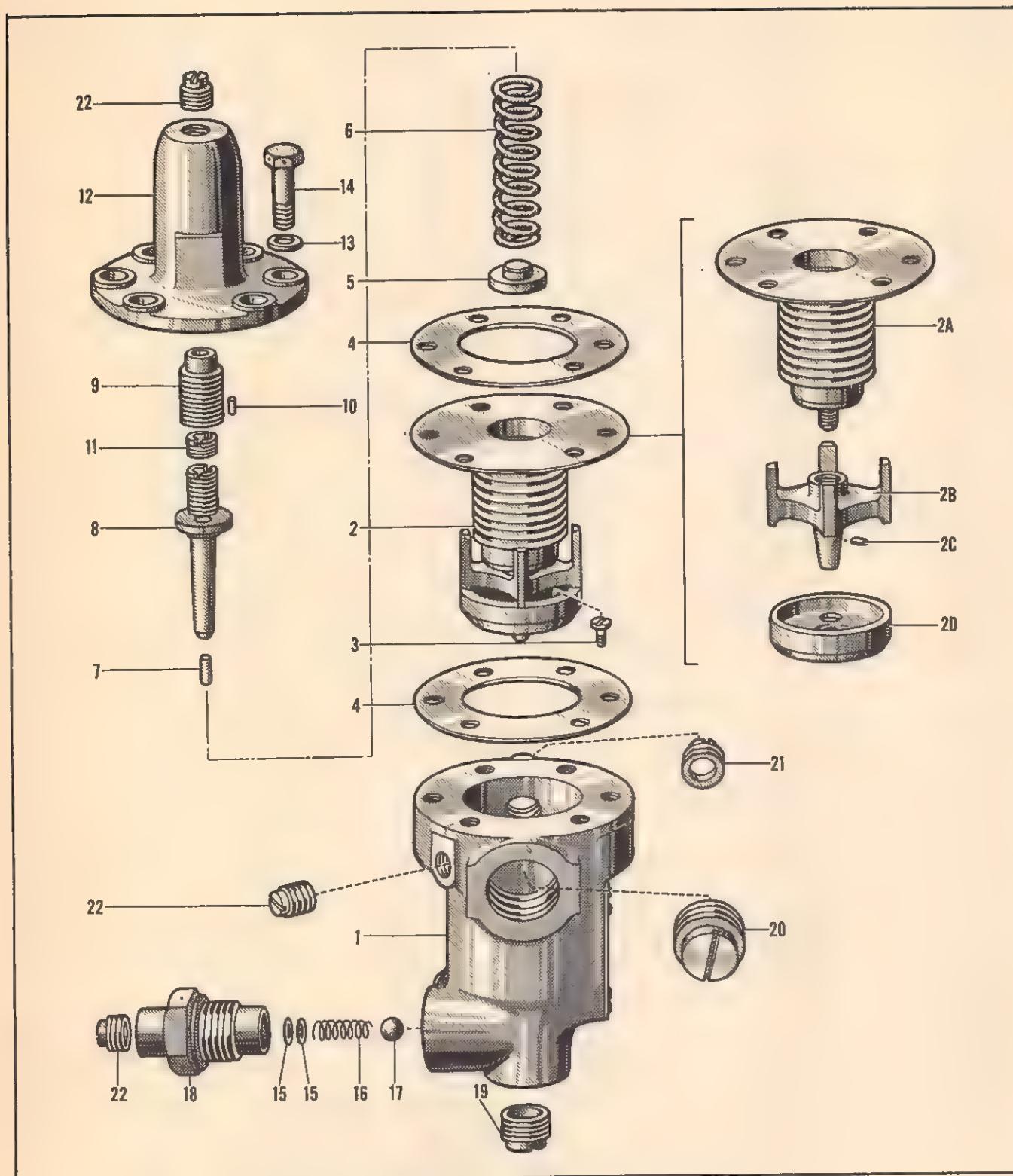


Figure 52—Exploded View of Duplex Meter Valve

SECTION III
NUMERICAL PARTS LIST

| Part Number | Figure and Index Number | Total Qty | Part Number | Figure and Index Number | Total Qty |
|--------------|-------------------------|-----------|--------------|-------------------------|-----------|
| Ball | 27-1 | 1 | AN73-4 | 4-30 | 40 |
| Ball | 48-2 | 1 | AN73A5 | 28-54 | 8 |
| Cap | 27-7 | 1 | AN74-24 | 5-7 | 16 |
| Cap | 23-31 | 1 | AN74-26 | 13-5 | 4 |
| Insulation | 46-7E | 3 | AN74-3 | 5-22 | 4 |
| Plug—Pipe | 27-6 | 4 | AN74-37 | 5-6 | 4 |
| Plug—Plastic | 35-16 | 1 | AN74-4 | 4-6 | 20 |
| Plug—Plastic | 51-9 | 2 | AN74-47 | 44-10 | 3 |
| Screw | 22-13 | 2 | AN74-5 | 4-2 | 76 |
| AN21-12 | 24-8 | 3 | AN74-54 | 5-11 | 3 |
| AN280H404 | 19-7 | 1 | AN74-6 | 3-6 | 20 |
| AN3-10 | 28-55 | 4 | AN74A7 | 52-14 | 6 |
| AN3-4 | 4-31 | 770 | AN74B-30 | 23-27 | 3 |
| AN3-40 | 36-10 | 4 | AN75-4 | 24-5 | 1 |
| AN3-5 | 6-12 | 22 | AN75-40 | 20-22 | 1 |
| AN3-6 | 24-42 | 1 | AN75A14 | 20-21 | 3 |
| AN3-7 | 4-26 | 70 | AN814-3 | 10-24 | 1 |
| AN310-3 | 4-27 | 885 | AN815-8D | 23-18 | 1 |
| AN310-4 | 3-10 | 158 | AN816-4 | 24-13 | 4 |
| AN310-5 | 3-12F | 82 | AN816-6 | 24-20 | 1 |
| AN310-6 | 3-16 | 21 | AN816-6D | 24-22 | 1 |
| AN310-8 | 9-3F | 1 | AN816-8 | 24-33 | 2 |
| AN320-1 | 24-9 | 11 | AN822-16-12D | 23-5 | 1 |
| AN320-5 | 28-29 | 5 | AN822-4 | 24-11 | 4 |
| AN360-3 | 6-7 | 10 | AN822-6 | 23-9 | 2 |
| AN365-428 | 19-26 | 14 | AN822-6D | 23-7 | 2 |
| AN380-2-3 | 51-6 | 1 | AN822-8D | 23-14 | 2 |
| AN380-3-3 | 19-10 | 1 | AN823-12 | 23-32 | 1 |
| AN380C1-1 | 21-46 | 1 | AN823-4 | 47-13 | 4 |
| AN380C2-1 | 28-15 | 2 | AN823-8 | 24-31 | 2 |
| AN380C2-2 | 3-11 | 303 | AN823-8D | 23-10 | 1 |
| AN380C2-3 | 33-8 | 4 | AN824-6 | 47-5 | 1 |
| AN380C3-3 | 3-17 | 36 | AN824-8 | 47-6 | 1 |
| AN380C3-4 | 9-3G | 9 | AN824-8D | 23-12 | 1 |
| AN380C3-7 | 11-15 | 4 | AN825-4 | 47-16 | 1 |
| AN380C4-5 | 12-20 | 1 | AN826-4D | 24-18 | 2 |
| AN380C4-7 | 10-21 | 1 | AN833-8D | 23-21 | 1 |
| AN4-10 | 35-6 | 54 | AN840-8D | 10-26 | 1 |
| AN4-11 | 3-9 | 32 | AN842-17D | 10-23 | 1 |
| AN4-27 | 35-7 | 20 | AN842-8D | 23-28 | 1 |
| AN4-33 | 35-8 | 10 | AN844-10D | 23-30 | 1 |
| AN4-4 | 24-3 | 2 | AN844-8D | 24-26 | 1 |
| AN426B3-4 | 34-5 | 400 | AN878-8-9 | 23-26 | 2 |
| AN426B3-6 | 34-2 | 72 | AN901-12A | 21-50 | 1 |
| AN426D2-7 | 28-4 | 3 | AN901-5A | 48-3 | 1 |
| AN430DD3-3 | 39-4E | 8 | AN901-6A | 33-14 | 1 |
| AN5-13 | 3-12D | 4 | AN902-10 | 51-14 | 1 |
| AN5-14 | 10-19 | 3 | AN902-12 | 23-2 | 1 |
| AN5-15 | 4-20 | 38 | AN902-16 | 51-7 | 1 |
| AN5-16 | 4-17 | 2 | AN902-8 | 21-34 | 4 |
| AN500A10-10 | 21-14 | 3 | AN912-2D | 24-19 | 1 |
| AN500A10-12 | 21-41 | 2 | AN912-3D | 24-10 | 2 |
| AN500A10-14 | 21-40 | 1 | AN912-4D | 23-23 | 1 |
| AN500A416-6 | 51-20 | 1 | AN913-1D | 23-1 | 2 |
| AN500A6-5 | 28-17 | 2 | AN913-1S | 48-7 | 2 |
| AN501A10-6 | 21-6 | 4 | AN913-2S | 48-6 | 1 |
| AN501A416-16 | 11-20 | 4 | AN914-3D | 24-27 | 1 |
| AN503-10-10 | 51-16 | 6 | AN914-4D | 23-29 | 1 |
| AN503-416-10 | 10-12 | 2 | AN920-12 | 51-21 | 1 |
| AN505-6-6 | 52-3 | 4 | AN924-12 | 23-3 | 1 |
| AN510-10-8 | 11-17 | 4 | AN924-8D | 23-20 | 2 |
| AN6-17 | 4-21 | 8 | AN931-8-13 | 39-4D | 1 |
| AN6-24 | 4-18 | 2 | AN936A416 | 31-4 | 1 |
| AN6-25 | 3-14 | 10 | AN936-B6 | 28-16 | 2 |
| AN6227-10 | 19-15 | 2 | AN960-516 | 20-23 | 4 |
| AN6227-11 | 21-33 | 1 | AN960-816 | 9-3E | 1 |
| AN6227-15 | 51-4 | 1 | AN960A10 | 36-11 | 4 |
| AN6227-5 | 10-13 | 2 | AN960A616 | 10-25 | 1 |
| AN6227-8 | 51-3 | 2 | AN960C10 | 4-25 | 894 |
| AN6230-16 | 21-19 | 1 | AN960C10L | 4-32 | AR |
| AN6230-6 | 26-17 | 1 | AN960C416 | 3-8 | 294 |
| AN73-3 | 24-47 | 2 | AN960C416L | 35-15 | AR |

RESTRICTED

Section III
Numerical Parts List

RESTRICTED
AN 02-105AB-4

| Part Number | Figure and Index Number | Total Qty | Part Number | Figure and Index Number | Total Qty |
|---------------|-------------------------|-----------|----------------------|---|-----------|
| AN960C516 | 3-12C | 130 | 11 | 33-3 | 1 |
| AN960C516L | 9-19 | 6 | 1299896 | 22-8 | 1 |
| AN960C6 | 24-7 | 19 | 1500-1B | 9-7A | 1 |
| AN960C616 | 3-15 | 20 | 1604-153 | 33-12 | 1 |
| A48432 | 19-1A | 1 | 1604-157 | 24-24 | 1 |
| A6069-1 | 19-8 | 1 | 1604-167 | 25-8 | 1 |
| B111449 | 19-5 | 1 | 1604-181 | 24-36, 25-10 | 2 |
| B111450 | 19-3 | 1 | 1604-182 | 24-34 | 1 |
| B117790-1 | 19-1C, 19-11B2 | 6 | 1604-227 | 23-6 | 1 |
| B117793 | 19-4 | 1 | 1604-229 | 23-33 | 1 |
| B117794 | 19-28 | 3 | 1604-40 | 21-28, 24-37, 25-9, 28-33, 48-8, 52-22 | 11 |
| B20504-14 | 19-6 | 1 | 1604-41 | 21-52, 33-9, 48-5, 52-21 | 4 |
| B20504-51 | 19-2 | 1 | 1604-42 | 10-22, 23-16, 25-11, 52-19 | 4 |
| B45517-101 | 19-31 | 2 | 1604-44 | 52-20 | 1 |
| B45517-103 | 19-12A | 1 | 1604-81 | 28-32 | 2 |
| B51057 | 19-24 | 1 | 2 | 21-31 | 2 |
| B55744 | 19-1B | 1 | 2CM42B3P14 | 18-13 | 1 |
| B71536 | 19-21 | 1 | 2CM42B3P23 | 18-12 | 1 |
| B78528 | 19-29 | 5 | 2CM42B3P24 | 18-11 | 1 |
| B81389 | 19-30 | 2 | 2CM42B3P38 | 18-14 | 1 |
| B81611 | 19-25 | 20 | 2CM42B3P39 | 18-15 | 1 |
| B823531 | 19-11A1, 19-11B1 | 4 | 2CM42B3P46 | 18-25 | 4 |
| B823910 | 19-20 | 1 | 2CM42B3P47 | 18-24 | 4 |
| B823912 | 19-17 | 1 | 2CM42B4 | 9-3A | 1 |
| B823919 | 19-16 | 1 | 2CM5ACF | 9-15 | 1 |
| B823920 | 19-14 | 1 | 24335 | 26-15 | 1 |
| B823921 | 19-13 | 1 | 24412 | 26-16 | 1 |
| B823982 | 19-23 | 1 | 24433 | 26-12 | 2 |
| B825642 | 19-22 | 1 | 25286 | 26-18 | 1 |
| B825643 | 19-19 | 1 | 25297 | 26-23 | 1 |
| B825644 | 19-18 | 1 | 25320 | 26-14 | 1 |
| B825961 | 19-11A | 1 | 25321 | 26-10 | 1 |
| B83307 | 19-32 | 2 | 25444 | 26-9 | 1 |
| B85280 | 19-33 | 2 | 25447 | 26-13 | 2 |
| B85281 | 19-34 | 2 | 25449 | 26-11 | 1 |
| CB282A | 20-4 | 1 | 25473 | 26-21 | 1 |
| C117789 | 19-27 | 1 | 25547 | 26-22 | 1 |
| C14C14C28B | 9-9 | 1 | 25660 | 26-3 | 2 |
| C825962 | 19-11 | 1 | 25663 | 26-2 | 2 |
| D112279 | 19-1 | 1 | 25664 | 26-1 | 2 |
| D823532 | 19-11B | 1 | 25665 | 26-5 | 2 |
| D823981 | 19-12 | 1 | 25667 | 26-19 | 1 |
| FA8236B | 21-30 | 1 | 25668 | 26-20 | 1 |
| F6-8236A | 21-18 | 1 | 25669 | 26-20 | 1 |
| GA401B | 20-19 | 1 | 26488 | 26-6 | 1 |
| GA779A | 20-3 | 2 | 27048 | 26-8 | 1 |
| GA780A | 20-13 | 1 | 27383 | 26-7 | 3 |
| GA781A | 20-9 | 1 | 28688 Less No. 27203 | 49-2 | 1 |
| GA782 | 20-5 | 1 | 28840 | 50-3 | 1 |
| GA783A | 20-10 | 1 | 28841 | 50-6 | 1 |
| GA784C | 20-6 | 1 | 28842 | 50-5 | 1 |
| GA785A | 20-8 | 1 | 28843 | 50-1 | 1 |
| GA786A | 20-1 | 1 | 28846 | 50-2 | 1 |
| GA787B | 20-2 | 2 | 28848 | 50-4 | 1 |
| GA788A | 20-11 | 1 | 28849 | 50-7 | 1 |
| GA789B | 20-12 | 1 | 28859 | 50-8 | 1 |
| GA790 | 20-17 | 1 | 29005 | 50-9 | 1 |
| GA791 | 20-7 | 1 | 3152 | 30-5 | 2 |
| GA792B | 20-16 | 1 | 3152-3 | 33-1H | 1 |
| GA821C | 20-18 | 2 | 4141196 | 22-1 | 1 |
| GA889 | 20-20 | 1 | 4141199 | 22-4 | 1 |
| GC180C | 20-14 | 1 | 4141324 | 22-2 | 1 |
| GC181C | 20-15 | 1 | 4141327 | 22-16 | 4 |
| G159J21 | 24-39 | 1 | 4141419 | 22-11 | 1 |
| I-P-587E | 9-11 | 1 | 4141419 | 22-9 | 1 |
| I-16-6 | 1 | 1 | 4141471 | 22-3 | 2 |
| J-M702 | 40-10 | AR | 4142138 | 22-7 | 1 |
| MRC-B-25 | 16-9 | 1 | 4145553 | 22-14 | 1 |
| MRC-B-25-33-8 | 43-12 | 1 | 4145623 | 22-18 | 1 |
| MRC104S-ABEC3 | 16-6 | 1 | 4149470 | 22-6 | 1 |
| ND-Q-R12X5 | 12-13, 16-8 | 2 | 4149471 | 22-5 | 1 |
| ND-Q-R16X5 | 11-5, 12-2 | 5 | 4149512 | 22-10 | 1 |
| Z60824 | 22-15 | 10 | 4149970 | 22-12 | 6 |
| 10 Eagle 66 | 40-10 | AR | 4152388 | 22-19 | 8 |
| 103KR | 21-32 | 1 | 4152458 | 22-17 | 3 |
| 104S | 11-6 | 1 | | | |
| 105S | 11-2, 12-5 | 5 | | | |
| 107S | 21-12 | 1 | | | |

RESTRICTED

| Part Number | Figure and Index Number | Total Qty | Part Number | Figure and Index Number | Total Qty |
|-------------|-------------------------|-----------|-------------|--|-----------|
| 503-10-10 | 28-41 | 4 | 6688835 | 21-23 | 1 |
| 566A10-4 | 9-3C | 1 | 6688836 | 21-21 | 1 |
| 566A6-6 | 28-37 | 2 | 6688837 | 21-38 | 1 |
| 566A8-3 | 12-11 | 1 | 6688839 | 21-44 | 1 |
| 6621205 | 18-16 | 1 | 6688840 | 21-7 | 1 |
| 6627885 | 18-7 | 12 | 6688843 | 21-36 | 1 |
| 6627932 | 18-23 | 4 | 6688844 | 21-48 | 1 |
| 6628645G1 | 18-21 | 1 | 6688845 | 21-16 | 1 |
| 6628647G1 | 18-8 | 1 | 6688847 | 21-15 | 6 |
| 6652634G1 | 18-1 | 1 | 6688848 | 21-47 | 6 |
| 6652811 | 21-3 | 2 | 6688849 | 21-24 | 1 |
| 6652820 | 44-2 | 1 | 6688850 | 21-17D | 2 |
| 6652828 | 33-2 | 1 | 6688852P1 | 4-9 | 10 |
| 6652829 | 32-2 | 1 | 6688854 | 40-3 | 20 |
| 6652838 | 14-5, 43-1B | 47 | 6688856 | 40-8 | 10 |
| 6652838-1 | 35-4A, 35-5A | 60 | 6688858 | 32-3 | 1 |
| 6652838-10 | 38-1B | 4 | 6688865-3 | 40-1B | 30 |
| 6652838-14 | 14-6 | 1 | 6688867 | 33-1F, 43-13, 44-8 | 3 |
| 6652838-2 | 14-5, 30-3, 35-1 | 18 | 6688873 | 3-2 | 1 |
| 6652838-4 | 14-2 | 1 | 6688879 | 11-3, 12-6 | 5 |
| 6652838-5 | 14-4, 33-1C | 14 | 6688882 | 12-14 | 1 |
| 6652838-7 | 14-8 | 8 | 6688883-1 | 12-16 | 1 |
| 6652838-9 | 33-1E | 1 | 6688883P4 | 16-7 | 1 |
| 6652840 | 8-8A | 1 | 6688884-2 | 12-3 | 1 |
| 6652846 | 8-9 | 1 | 6688885 | 12-21 | 4 |
| 6652869 | 4-24, 38-2 | 11 | 6688887 | 10-11 | 1 |
| 6652870 | 5-15, 40-7 | 20 | 6688890 | 12-10 | 1 |
| 6652888 | 8-8 | 1 | 6688891 | 16-5 | 1 |
| 6652894-1 | 34-8 | 1 | 6688892 | 10-4 | 4 |
| 6652894-2 | 36-8 | 1 | 6688893-1 | 14-17 | 8 |
| 6652895-1 | 34-7 | 1 | 6688893-2 | 14-13 | 10 |
| 6652895-2 | 36-7 | 1 | 6688893-3 | 14-16 | 7 |
| 6652896-1 | 34-6 | 1 | 6688893-5 | 14-14 | 6 |
| 6652896-2 | 36-6 | 1 | 6688894 | 12-7 | 4 |
| 6652897-1 | 34-4 | 50 | 6688895 | 12-19 | 1 |
| 6652897-2 | 36-4 | 50 | 6688896 | 11-14 | 4 |
| 6652942 | 46-7B | 1 | 6688897-3 | 11-10 | 4 |
| 6652954 | 10-3 | 1 | 6688898 | 11-4, 12-15 | 20 |
| 6652954-1 | 15-1 | 1 | 6688899 | 10-14 | 1 |
| 6652955 | 13-2 | 1 | 6688900 | 10-2 | 1 |
| 6652957 | 11-7 | 3 | 6688902 | 40-1C | 30 |
| 6652962 | 11-9 | 1 | 6688906 | 33-1G | 1 |
| 6652972 | 8-8B | 16 | 6688909 | 45-15 | 1 |
| 6652974 | 3-12, 4-15 | 2 | 6688912-1 | 8-4B3, 8-9D, 14-3, 15-3, 30-4, 33-1D, 35-2, 35-4B, 35-5B, 38-1C, 43-1C, 51-1F, 52-10 | 172 |
| 6652974P3 | 3-12A | 1 | | | |
| 6652974P4 | 3-12B | 1 | | | |
| 6652986 | 8-14 | 1 | | | |
| 6652987-1 | 33-4 | 2 | | | |
| 6652987-2 | 33-5 | 2 | 6688913 | 44-3 | 1 |
| 6652992 | 10-17 | 1 | 6688917 | 44-6D | 6 |
| 6688707 | 9-6 | 2 | 6688924 | 46-7C | 1 |
| 6688708 | 9-2 | 1 | 6688938-5 | 25-4 | 2 |
| 6688709 | 9-14 | 1 | 6688968 | 9-12 | 1 |
| 6688710 | 9-8 | 1 | 6688995 | 14-15 | 4 |
| 6688728 | 46-7G | 8 | 7HGL16B2 | 9-13 | 1 |
| 6688757-2 | 35-10 | 80 | 7HVL16A1 | 24-32 | 1 |
| 6688757-3 | 4-14 | 40 | 7HVR16A2 | 24-14 | 1 |
| 6688763 | 7-2 | 6 | 7HV16B2 | 24-2 | 1 |
| 6688771 | 9-3B | 1 | 8 | 44-9 | 1 |
| 6688776-5 | 51-23 | 1 | 8402725 | 14-12 | 1 |
| 6688780 | 27-3 | 1 | 8402734 | 12-12 | 1 |
| 6688802 | 8-6 | 1 | 8402752 | 11-1 | 4 |
| 6688803 | 8-5 | 1 | 8402756 | 11-16 | 1 |
| 6688804 | 8-7 | 1 | 8402759 | 12-4 | 1 |
| 6688805 | 8-2 | 1 | 8402773 | 51-18 | 1 |
| 6688806 | 8-13 | 1 | 8402779 | 12-1 | 1 |
| 6688808 | 8-10 | 16 | 8402817 | 13-3 | 1 |
| 6688809P2 | 3-12E | 4 | 8402819 | 11-8 | 1 |
| 6688814 | 8-16 | 1 | 8402876-1 | 35-4C | 1 |
| 6688815 | 8-15 | 1 | 8402887 | 8-1B | 54 |
| 6688817 | 8-11 | 16 | 8402953 | 16-4 | 1 |
| 6688822 | 21-5 | 1 | 8418892 | 18-18 | 4 |
| 6688824 | 21-2A | 1 | 8418939 | 18-6 | 1 |
| 6688825 | 21-4 | 1 | 8418960 | 18-17 | 1 |
| 6688829 | 21-11 | 1 | 8419041G1 | 18-22 | 2 |
| 6688830 | 21-13 | 1 | 8419049 | 18-20 | 4 |
| 6688831 | 21-8 | 1 | 8419154 | 18-9 | 4 |
| 6688832 | 21-9 | 1 | 8420216 | 18-5 | 4 |

Section III
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| Part Number | Figure and Index Number | Total Qty | Part Number | Figure and Index Number | Total Qty |
|-------------|-------------------------|-----------|-------------|-------------------------|-----------|
| 8433010G2 | 18-3 | 1 | 8439471 | 5-16 | 10 |
| 8433018P2 | 18-2 | 1 | 8439493 | 40-4 | 1 |
| 8433019G2 | 18-4 | 1 | 8439499 | 8-1A | 1 |
| 8433172G1 | 18-10 | 4 | 8439500 | 2 | 1 |
| 8436814-1 | 14-7, 15-2 | 8 | 8439501 | 8-1 | 1 |
| 8436821-1 | 35-3 | 10 | 8439503 | 40-1 | 1 |
| 8436842 | 44-6C | 6 | 8439504 | 43-1 | 1 |
| 8436848 | 5-19 | 1 | 8439507 | 5-1 | 1 |
| 8436887 | 16-3 | 1 | 8439530 | 51-1A | 1 |
| 8436888 | 17-5 | 3 | 8439531 | 51-11 | 1 |
| 8436889 | 17-2 | 3 | 8439532 | 51-17 | 1 |
| 8436890 | 17-6 | 3 | 8439533 | 51-10 | 1 |
| 8436891 | 17-3 | 3 | 8439539 | 47-15 | 1 |
| 8436909 | 3-13, 4-22 | 18 | 8439542 | 47-21, 47-22 | 2 |
| 8436955 | 27-4 | 1 | 8439547 | 48-1 | 1 |
| 8437164 | 16-1 | 1 | 8439550-1 | 41-3 | 8 |
| 8437165 | 12-18 | 1 | 8439550-2 | 41-2 | 1 |
| 8437166 | 11-12 | 4 | 8439550-3 | 41-2 | 1 |
| 8437168 | 17-1 | 1 | 8439576 | 51-1 | 1 |
| 8437174 | 9-3D | 1 | 8439577 | 49-1 | 1 |
| 8437175 | 9-7B | 1 | 8439594 | 8-8C | AR |
| 8437176 | 11-13 | 1 | 8439594-2 | 8-8D | AR |
| 8437829 | 13-1 | 1 | 8439594-3 | 8-8E | AR |
| 8437833 | 28-36 | 1 | 8439598 | 46-7A | 1 |
| 8437837 | 28-21 | 1 | 8439601 | 43-4 | 1 |
| 8437837-1 | 29-1 | 1 | 8439603 | 28-31 | 1 |
| 8437840 | 28-8 | 1 | 8439603-1 | 30-1 | 1 |
| 8437841 | 28-43 | 1 | 8439606 | 21-49 | 1 |
| 8437858 | 28-9 | 1 | 8439607 | 21-42 | 1 |
| 8437913 | 45-4 | 1 | 8439610 | 38-3 | 1 |
| 8437914 | 45-3 | 1 | 8439614 | 52-2B | 1 |
| 8437915 | 45-2 | 1 | 8439617 | 52-2 | 1 |
| 8437947 | 52-1 | 1 | 8439618 | 9-10, 47-8 | 2 |
| 8437948 | 52-12 | 1 | 8439621 | 5-17 | 10 |
| 8437951 | 52-2A | 1 | 8439622 | 47-1 | 1 |
| 8439002 | 40-1A | 1 | 8439627 | 3-18 | 1 |
| 8439003 | 40-2 | 1 | 8439630 | 24-40 | 1 |
| 8439027P2 | 4-5 | 10 | 8439631 | 24-45 | 1 |
| 8439060 | 14-11 | 1 | 8439633 | 21-35 | 1 |
| 8439148 | 34-10 | 1 | 8439634 | 21-39 | 1 |
| 8439148-1 | 34-10A, 37-1 | 2 | 8439635 | 21-10 | 1 |
| 8439149 | 4-11 | 1 | 8439637 | 45-6 | 1 |
| 8439211 | 3-3 | 1 | 8439638 | 45-7 | 1 |
| 8439212 | 33-10 | 1 | 8439639 | 45-13 | 1 |
| 8439213 | 27-2 | 1 | 8439640 | 45-14 | 1 |
| 8439215 | 33-13 | 1 | 8439641 | 45-1 | 1 |
| 8439256 | 21-2 | 1 | 8439643 | 47-3 | 1 |
| 8439286 | 44-7 | 1 | 8439654 | 21-17A | 1 |
| 8439302 | 38-1 | 1 | 8439655 | 21-1 | 1 |
| 8439318 | 34-10B, 37-2 | 4 | 8439667 | 43-11 | 1 |
| 8439375 | 46-1 | 1 | 8439671 | 28-7 | 1 |
| 8439376 | 46-2 | 1 | 8439672 | 28-1 | 1 |
| 8439379-1 | 46-3 | 2 | 8439684 | 41-1 | 1 |
| 8439379-2 | 46-4 | 2 | 8439687 | 3-7 | 1 |
| 8439380 | 6-1 | 1 | 8439688 | 3-1 | 1 |
| 8439387 | 32-1A | 1 | 8439689 | 6-13 | 2 |
| 8439391 | 46-8 | 1 | 8439690 | 9-20 | 1 |
| 8439392 | 46-10 | 1 | 8439697 | 32-1 | 1 |
| 8439392-2 | 46-10B | 1 | 8439698 | 14-1 | 1 |
| 8439392-3 | 46-10A | 2 | 8439702 | 11-19 | 1 |
| 8439392-4 | 46-10C | 4 | 8439703 | 12-8 | 1 |
| 8439427 | 8-4A | 1 | 8439705 | 9-3 | 1 |
| 8439428 | 46-7 | 1 | 8439706 | 9-1 | 1 |
| 8439431 | 46-7D | 1 | 8439707 | 13-1 | 1 |
| 8439436 | 8-4B | 1 | 8439716 | 7-1 | 1 |
| 8439436-1 | 8-4B1 | 1 | 8439719 | 33-1 | 1 |
| 8439438 | 10-15 | 1 | 8439720 | 33-1B | 1 |
| 8439440 | 8-4 | 1 | 8439724 | 5-21 | 2 |
| 8439441 | 10-18 | 1 | 8439730 | 23-15 | 1 |
| 8439442 | 10-16 | 1 | 8439731 | 3-4 | 1 |
| 8439445-1 | 35-5C | 1 | 8439735 | 32-1B | 1 |
| 8439446 | 4-4 | 1 | 8439741 | 34-9, 36-9 | 2 |
| 8439446-1 | 35-4 | 1 | 8439742 | 4-1 | 1 |
| 8439446-2 | 35-5 | 1 | 8439743 | 4-10 | 1 |
| 8439454 | 6-6 | 1 | 8439744 | 34-3 | 1 |
| 8439461 | 43-8 | 2 | 8439744-2 | 36-5 | 1 |
| 8439468 | 6-5 | 10 | 8439745 | 34-1, 36-2 | 2 |

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Section III
Numerical Parts List

| Part Number | Figure and Index Number | Total Qty | Part Number | Figure and Index Number | Total Qty |
|-------------|-------------------------|-----------|-------------|-------------------------|-----------|
| 8439749 | 43-1A | 1 | 8461943 | 28-35 | 1 |
| 8439750 | 33-1A | 1 | 8461944 | 30-2 | 1 |
| 8439753 | 14-10 | 1 | 8461945 | 28-27 | 1 |
| 8439754 | 14-9 | 1 | 8461946 | 28-58 | 1 |
| 8439755 | 8-9A | 1 | 8461947 | 31-2 | 1 |
| 8439756 | 8-3 | 1 | 8461949 | 28-13 | 1 |
| 8439762 | 24-1 | 1 | 8461954 | 28-42 | 1 |
| 8439763 | 38-1A | 1 | 8461955 | 29-2 | 2 |
| 8439764 | 48-1A | 1 | 8461959 | 28-45 | 1 |
| 8439771 | 44-12 | 2 | 8461961 | 28-6 | 4 |
| 8439777 | 23-4 | 1 | 8461962 | 28-11 | 1 |
| 8439778 | 47-2 | 1 | 8461964 | 28-12 | 1 |
| 8439779 | 47-4 | 1 | 8461966 | 28-14 | 1 |
| 8439780 | 21-17 | 1 | 8461968 | 28-10 | 1 |
| 8439782 | 21-22 | 1 | 8465006 | 18-19 | 8 |
| 8439783 | 21-25 | 1 | 8468104 | 9-18 | 1 |
| 8439789 | 28-19 | 1 | 8468105 | 4-8 | 10 |
| 8439798 | 39-4A, 39-6A | 2 | 8468120 | 6-9 | 1 |
| 8439799 | 39-1 | 10 | 8468130 | 43-7 | 2 |
| 8439800 | 4-33 | 1 | 8468133 | 43-2 | 8 |
| 8439802 | 39-4B, 39-6B | 2 | 8468157 | 51-8 | 1 |
| 8439803 | 39-2 | 2 | 8468158 | 51-22 | 1 |
| 8439804 | 39-6 | 7 | 8468159 | 51-1E | 1 |
| 8439805 | 43-3 | 8 | 8468160 | 51-1G | 1 |
| 8439810 | 4-23 | 10 | 8468161 | 51-24 | 1 |
| 8439811 | 42-1 | 1 | 8468170 | 48-1B | 1 |
| 8439813 | 31-3 | 1 | 8468171 | 48-4 | 1 |
| 8439814 | 28-2 | 1 | 8468172 | 25-5 | 1 |
| 8439815 | 21-17C | 1 | 8468173 | 25-7 | 1 |
| 8439816 | 39-4 | 1 | 8468190 | 10-20 | 1 |
| 8439819 | 10-1 | 1 | 8468195 | 51-13 | 1 |
| 8439820 | 28-40 | 1 | 8468221 | 21-51 | 1 |
| 8439822 | 4-16 | 1 | 8468222 | 21-43 | 1 |
| 8439829 | 51-2 | 1 | 8468224 | 8-4B2, 8-9C | 8 |
| 8439830 | 51-1C | 1 | 8468229 | 52-6 | 1 |
| 8439831 | 51-5 | 1 | 8468230 | 42-2 | 1 |
| 8439832 | 5-2 | 1 | 8468235 | 4-28 | 20 |
| 8439872 | 9-7 | 1 | 8468240 | 21-37 | 1 |
| 8439914 | 47-18 | 1 | 8468242 | 45-8 | 1 |
| 8439915 | 47-17 | 1 | 8468243 | 45-9 | 1 |
| 8439916 | 47-19 | 1 | 8468244 | 45-11 | 1 |
| 8439917 | 47-7 | 1 | 8468245 | 45-10 | 1 |
| 8439918 | 47-12 | 1 | 8468255 | 3-5 | 1 |
| 8439932 | 47-20 | 2 | 8468256 | 21-29 | 1 |
| 8439943 | 24-21 | 1 | 8468260 | 51-1D | 1 |
| 8439945 | 24-30 | 1 | 8468263 | 51-12 | 1 |
| 8439952 | 23-22 | 1 | 8468269 | 6-3 | 36 |
| 8439953 | 23-13 | 1 | 8468270 | 6-2 | 36 |
| 8439954 | 23-17 | 1 | 8468273 | 6-10 | 1 |
| 8439955 | 23-11 | 1 | 8468281 | 24-6 | 1 |
| 8439956 | 23-8 | 1 | 8468289 | 28-5 | 1 |
| 8439957 | 24-25 | 1 | 8468295 | 25-6 | 1 |
| 8439961 | 23-25 | 1 | 8468296 | 45-5 | 1 |
| 8439962 | 24-17 | 1 | 8468297 | 11-18 | 1 |
| 8439963 | 24-12 | 1 | 8468314 | 8-9B | 1 |
| 8439991 | 25-2 | 1 | 8468317 | 44-4 | 6 |
| 8461099 | 46-7H | 12 | 8468322 | 41-4 | 10 |
| 8461535 | 27-5 | 1 | 8468325-4 | 43-16 | 8 |
| 8461545 | 4-29 | 10 | 8468326 | 40-5 | 4 |
| 8461547 | 21-2B | 1 | 8468327 | 43-6 | 1 |
| 8461559 | 17-4 | 3 | 8468329 | 43-5 | 1 |
| 8461560 | 17-8 | 3 | 8468607 | 25-3 | 1 |
| 8461617 | 46-5 | 8 | 8468609 | 5-20 | 2 |
| 8461624 | 16-10 | 1 | 8468613 | 5-13 | 10 |
| 8461625 | 16-11 | 1 | 8468620 | 36-12 | 4 |
| 8461639-1 | 11-11 | 1 | 8468621 | 36-20 | 4 |
| 8461639-2 | 12-17 | 1 | 8468622 | 36-18 | 4 |
| 8461655 | 33-11 | 1 | 8468623 | 36-16 | 4 |
| 8461693 | 28-3 | 1 | 8468624 | 36-14 | 4 |
| 8461696 | 46-9 | 1 | 8468625 | 36-19 | 4 |
| 8461697 | 46-7F | 1 | 8468626 | 36-17 | 4 |
| 8461796 | 28-50 | 1 | 8468627 | 36-15 | 4 |
| 8461797 | 28-51 | 1 | 8468628 | 36-13 | 4 |
| 8461935 | 31-5 | 1 | 8468633 | 28-57 | 1 |
| 8461939 | 28-24 | 1 | 8468634 | 28-56 | 1 |
| 8461940 | 28-25 | 1 | 8468641 | 5-10 | 1 |
| 8461941 | 28-26 | 1 | 8468642 | 51-1B | 1 |
| 8461942 | 28-59 | 1 | 8468646 | 25-1, 52-17 | 3 |

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Section III
Numerical Parts List

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| Part Number | Figure and Index Number | Total Qty | Part Number | Figure and Index Number | Total Qty |
|-------------|-------------------------|-----------|-------------|-------------------------|-----------|
| 8468647 | 52-15 | AR | 8469081 | 43-14 | 1 |
| 8468649 | 52-7 | 1 | 8469084 | 42-3 | 1 |
| 8468651 | 28-18 | 2 | 8469086 | 44-6 | 1 |
| 8468652 | 28-22 | 2 | 8469091 | 5-9 | 1 |
| 8468653 | 21-2C | 1 | 8469099 | 44-6B | 1 |
| 8468654 | 45-12 | 2 | 8480365 | 12-9 | 1 |
| 8468658 | 28-23 | 2 | 8480370 | 16-2 | 1 |
| 8468660 | 39-6C | 1 | 8495042 | 52-4 | 2 |
| 8468663 | 39-5 | 8 | 8495044 | 52-2D | 1 |
| 8468664 | 21-17B | 1 | 8495045 | 52-16 | 1 |
| 8468666 | 39-4C | 1 | 8495046 | 52-18 | 1 |
| 8468674 | 4-19 | 2 | 8495047 | 52-5 | 1 |
| 8468680 | 28-44 | 1 | 8495050 | 52-8 | 1 |
| 8468696 | 28-38 | 1 | 8495051 | 52-11 | 1 |
| 8468743 | 21-20 | 1 | 8495052 | 52-9 | 1 |
| 8468870 | 28-39 | 1 | 8495053 | 52-2C | 1 |
| 8469078 | 44-1 | 1 | 8495057 | 28-52 | 2 |
| 8469079 | 44-6A | 1 | 8495058 | 28-53 | 2 |
| 8469080 | 44-5 | 1 | 8495114 | 28-20 | |
| | | | 945-4P | 51-19 | 1 |
| | | | | | AR |

SECTION IV
STANDARD PARTS LIST

| Part Number | Nomenclature | Atch- ing Qty | Part Number | Nomenclature | Atch- ing Qty |
|---------------------------------|--------------|---------------------|--------------|--------------|---------------------|
| ARMY-NAVY STANDARD PARTS | | | | | |
| AN21-12 | Bolt—Clevis | 3 | AN74-54 | Bolt | 3 |
| AN280H404 | Key | 1 | AN74-6 | Bolt | 20 |
| AN3-10 | Bolt | 4 | AN74A7 | Bolt | 6 |
| AN3-4 | Bolt | 770 | AN748-30 | Clamp | 3 |
| AN3-40 | Bolt | 4 | AN75-4 | Bolt | 1 |
| AN3-5 | Bolt | 22 | AN75-40 | Bolt | 1 |
| AN3-6 | Bolt | 1 | AN75A14 | Bolt | 3 |
| AN3-7 | Bolt | 70 | AN814-3 | Plug | 1 |
| AN310-3 | Nut—Castle | 885 | AN815-8D | Union | 1 |
| AN310-4 | Nut—Castle | 158 | AN816-4 | Nipple | 4 |
| AN310-5 | Nut—Castle | 82 | AN816-6 | Nipple | 1 |
| AN310-6 | Nut—Castle | 21 | AN816-6D | Nipple | 1 |
| AN310-8 | Nut—Castle | 1 | AN816-8 | Tee | 2 |
| AN320-1 | Nut | 11 | AN822-16-12D | Elbow | 1 |
| AN320-5 | Nut—Shear | 5 | AN822-4 | Elbow | 4 |
| AN360-3 | Nut | 10 | AN822-6 | Elbow | 2 |
| AN365-428 | Nut | 14 | AN822-6D | Elbow | 2 |
| AN380-2-3 | Pin—Cotter | 1 | AN822-8D | Elbow | 2 |
| AN380-3-3 | Pin—Cotter | 1 | AN823-12 | Elbow | 1 |
| AN380C1-1 | Pin—Cotter | 1 | AN823-4 | Elbow | 4 |
| AN380C2-1 | Pin—Cotter | 2 | AN823-8 | Elbow | 2 |
| AN380C2-2 | Pin—Cotter | 303 | AN823-8D | Elbow | 1 |
| AN380C2-3 | Pin—Cotter | 4 | AN824-6 | Tee | 1 |
| AN380C3-3 | Pin—Cotter | 36 | AN824-8 | Tee | 1 |
| AN380C3-4 | Pin—Cotter | 9 | AN824-8D | Tee | 1 |
| AN380C3-7 | Pin—Cotter | 4 | AN825-4 | Tee | 1 |
| AN380C4-5 | Pin—Cotter | 1 | AN826-4D | Tee | 2 |
| AN380C4-7 | Pin—Cotter | 1 | AN833-8D | Elbow | 1 |
| AN4-10 | Bolt | 54 | AN840-8D | Adapter | 1 |
| AN4-11 | Bolt | 32 | AN842-17D | Elbow | 1 |
| AN4-27 | Bolt | 20 | AN842-8D | Elbow | 1 |
| AN4-33 | Bolt | 10 | AN844-10D | Elbow | 1 |
| AN4-4 | Bolt | 2 | AN844-8D | Elbow | 1 |
| AN426B3-4 | Rivet | 400 | AN878-8-9 | Hose | 2 |
| AN426B3-6 | Rivet | 72 | AN901-12A | Gasket | 1 |
| AN426D2-7 | Rivet | 3 | AN901-5A | Gasket | 1 |
| AN430DD3-3 | Rivet | 8 | AN901-6A | Gasket | 1 |
| AN5-13 | Bolt | 4 | AN902-10 | Gasket | 1 |
| AN5-14 | Bolt | 3 | AN902-12 | Gasket | 1 |
| AN5-15 | Bolt | 38 | AN902-16 | Gasket | 1 |
| AN5-16 | Bolt | 2 | AN902-8 | Gasket | 4 |
| AN500A10-10 | Gasket | 3 | AN912-2D | Bushing | 1 |
| AN500A10-12 | Screw | 2 | AN912-3D | Bushing | 2 |
| AN500A10-14 | Screw | 1 | AN912-4D | Bushing | 1 |
| AN500A416-6 | Screw | 1 | AN913-1D | Plug | 2 |
| AN500A6-5 | Screw | 2 | AN913-1S | Plug | 2 |
| AN501A10-6 | Screw | 4 | AN913-2S | Plug | 1 |
| AN501A416-16 | Screw | 4 | AN914-3D | Elbow | 1 |
| AN503-10-10 | Screw | 6 | AN914-4D | Elbow | 1 |
| AN503-416-10 | Screw | 2 | AN920-12 | Gasket | 1 |
| AN505-6-6 | Screw | 4 | AN924-12 | Nut | 1 |
| AN510-10-8 | Screw | 4 | AN924-8D | Nut—Lock | 2 |
| AN6-17 | Bolt | 8 | AN931-8-13 | Grommet | 1 |
| AN6-24 | Bolt | 2 | AN936A416 | Washer—Lock | 1 |
| AN6-25 | Bolt | 10 | AN936B6 | Washer | 2 |
| AN6227-10 | "O" Ring | 2 | AN960-516 | Washer | 4 |
| AN6227-11 | "O" Ring | 1 | AN960-816 | Washer | 1 |
| AN6227-15 | Packing | 1 | AN960A10 | Washer | 4 |
| AN6227-5 | Packing | 2 | AN960A616 | Washer | 1 |
| AN6227-8 | Packing | 2 | AN960C10 | Washer | 894 |
| AN6230-16 | Gasket | 1 | AN960C10L | Washer | AR |
| AN6230-6 | Screw | 1 | AN960C416 | Washer | 294 |
| AN73-3 | Bolt | 2 | AN960C416L | Washer | AR |
| AN73-4 | Bolt | 40 | AN960C516 | Washer | 130 |
| AN73A5 | Bolt | 8 | AN960C516L | Washer | 6 |
| AN74-24 | Bolt | 16 | AN960C6 | Washer | 19 |
| AN74-26 | Bolt | 4 | AN960C616 | Washer | 20 |
| AN74-3 | Bolt | 4 | | | |
| AN74-37 | Bolt | 4 | | | |
| AN74-4 | Bolt | 20 | 503-10-10 | Screw | 4 |
| AN74-47 | Bolt | 3 | 566A10-4 | Screw | 1 |
| AN74-5 | Bolt | 76 | 566A6-6 | Screw | 2 |
| | | | 945-4P | Washer | 1 |
| AIR CORPS STANDARD PARTS | | | | | |